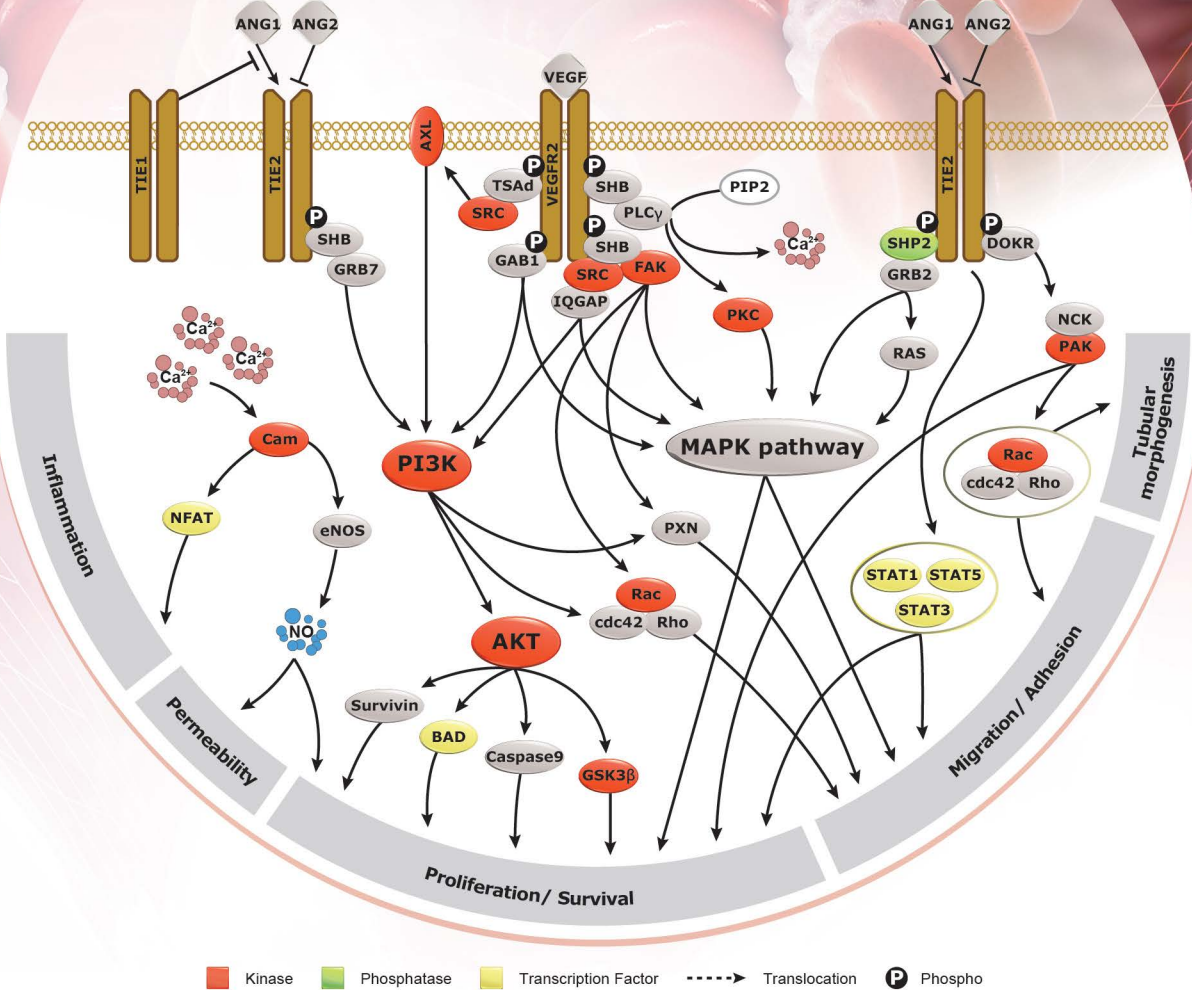


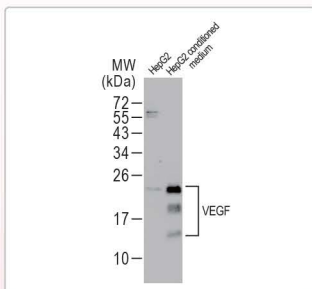
# Angiogenesis



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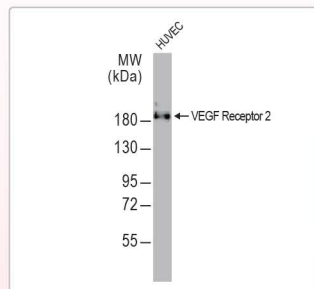


Angiogenesis entails the generation of new blood vessels from pre-existing vasculature. It is an intricate process tightly regulated by input from pro- and anti-angiogenic factors. In the normal adult, the balance between these inducers and inhibitors maintains a quiescent state that nevertheless is capable of rapid changes in response to micro-environmental disruptions secondary to wounds, hypoxia, or inflammation. Perturbations of this balance in various chronic pathological conditions and tumors can lead to inappropriate angiogenesis or neovascularization.

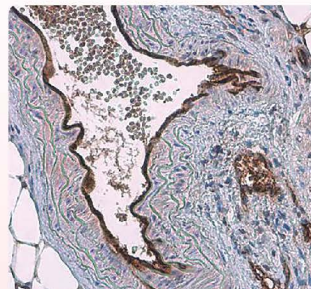
 Citation Support  Comparable Abs  Orthogonal Validation





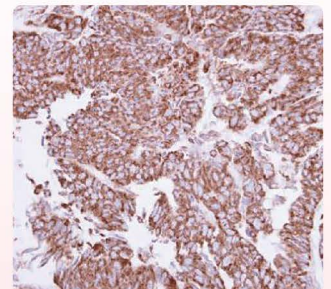
VEGF antibody (GTX132777)  



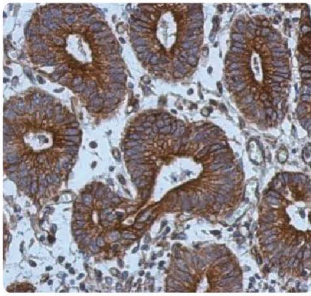
VEGF Receptor 2 antibody (GTX129943) 






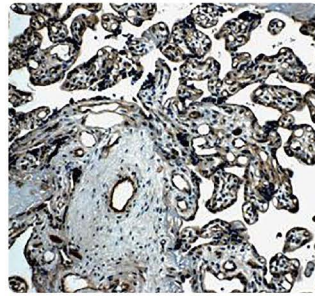
CD31 antibody (GTX130274)  



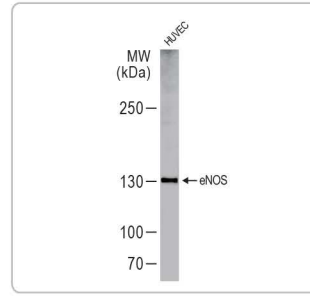
Angiopoietin 2 antibody (GTX100928)  




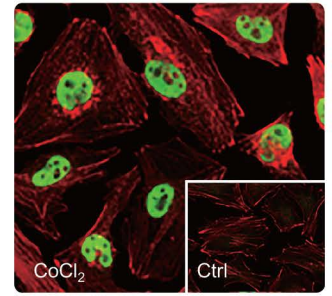
TIE1 antibody  
(GTX107818)   

















































TIE2 antibody [21G7]  
(GTX52471)

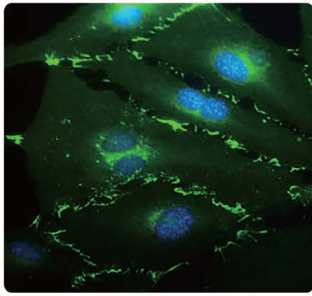


eNOS antibody  
(GTX133404) 

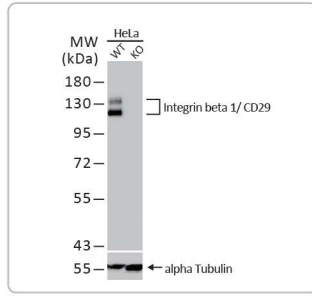


HIF1 alpha antibody  
(GTX127309)      

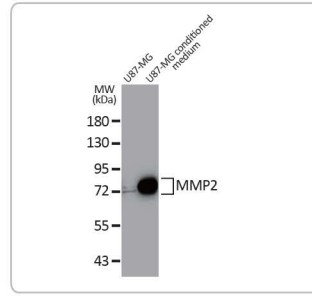
	Cat. No.	Product Name	Clonality	Reactivity	Applications
   	GTX121937	AKT antibody [N3C2], Internal	Rb pAb	Hu, Ms, Rat, Japanese Medaka	WB, ICC/IF, IHC-P, IHC-Fr, IP, IHC
	GTX128414	AKT (phospho Ser473) antibody	Rb pAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P, IP
   	GTX636416	AKT1 antibody [HL1145]	Rec Rb mAb	Hu, Ms, Rat, Cat, Dog	WB, IHC-P
	GTX28451	Angiopoietin 1 antibody	Rb pAb	Hu, Ms	WB, IHC-P, ELISA
	GTX100928	Angiopoietin 2 antibody	Rb pAb	Hu	WB, IHC-P
  	GTX129407	AXL antibody	Rb pAb	Hu, Ms	WB, IHC-P, ELISA
 	GTX637922	AXL antibody [HL2021]	Rec Rb mAb	Hu	WB, ELISA
	GTX632645	CD31 antibody [GT0010]	Armenian Hamster mAb	Ms, Rat	IHC-P, FACS
	GTX110602	CD31 antibody [N3C2], Internal	Rb pAb	Hu	WB, IHC-P
	GTX20218	CD31 antibody [WM59]	Ms mAb	Hu, Ms, CIMK, RMK	ICC/IF, IHC-P, IHC-Fr, IHC-Wm, FACS, IP, IHC
	GTX28158	CD34 antibody [MEC14.7]	Rat mAb	Hu, Ms, Rb	WB, ICC/IF, IHC-P, IHC-Fr, FACS, IP, ELISA, IHC
 	GTX133022	Connexin 43 antibody	Rb pAb	Hu, Ms	WB, ICC/IF, IHC-P
 	GTX100656	COX2 antibody [C3], C-term	Rb pAb	Hu, Ms, Rat	WB, IHC-P
 	GTX129843	eNOS antibody	Rb pAb	Hu	WB, ICC/IF
	GTX83305	eNOS antibody [6H2]	Ms mAb	Hu	IHC-P, ELISA
 	GTX129058	eNOS (phospho Ser1177) antibody	Rb pAb	Hu, Ms, Rat	WB, IHC-P
  	GTX113094	ERK2 antibody [N2C3]	Rb pAb	Hu, Ms, Rat, Pig	WB, IHC-P, IP
   	GTX635617	ERK1 (phospho Thr202/Tyr204) + ERK2 (phospho Thr185/Tyr187) antibody [HL173]	Rec Rb mAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P
	GTX24803	FAK (phospho Tyr397) antibody	Rb pAb	Hu, Ms, Rat, Zfsh, Dm, Cat, Dog, Chk, Amph, RMK, Xenopus, Fish	WB, ICC/IF, IHC-Fr, IP, ChIP assay
  	GTX132140	FAK (phospho Tyr576) antibody	Rb pAb	Hu, Ms, Rat	WB, ICC/IF
	GTX12474	FGF1 antibody (Biotin)	Rb pAb	Hu	WB, ELISA
	GTX12476	FGF2 antibody (Biotin)	Rb pAb	Hu	WB, ELISA
	GTX84502	FGF2 antibody [3D9]	Ms mAb	Hu, Mk	WB, ICC/IF, IHC-P
	GTX111253	GAB1 antibody	Rb pAb	Hu, Ms	WB, IHC-P
	GTX114226	GAB2 antibody [N1C1]	Rb pAb	Hu	WB
   	GTX127309	HIF1 alpha antibody	Rb pAb	Hu, Ms, Rat, Rb, Bov	WB, ICC/IF, IHC-P, IHC-Fr, IP, ChIP assay
	GTX130705	Integrin alpha 5 antibody	Rb pAb	Hu, Ms, Rat	WB
	GTX39987	Integrin alpha V + beta 5 antibody [P1F6]	Ms mAb	Hu, Chk	ICC/IF, IHC-Fr, FACS, IP, ELISA



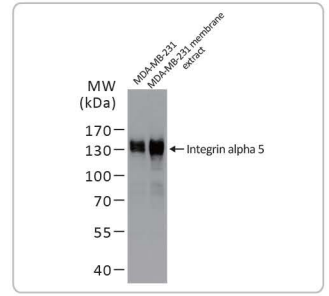
VE-Cadherin antibody [GT1369] (GTX633705)



Integrin beta 1 / CD29 antibody [HL1255] (GTX636657)

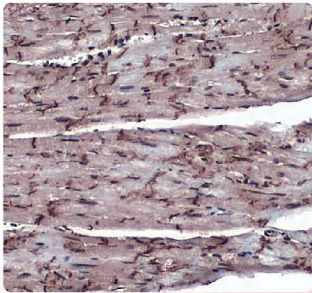


MMP2 antibody [HL1208] (GTX636525)

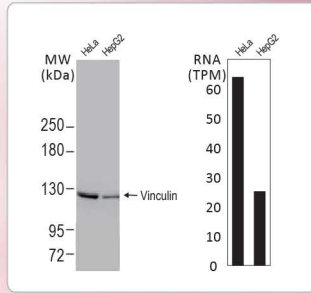


Integrin alpha 5 antibody (GTX130705)

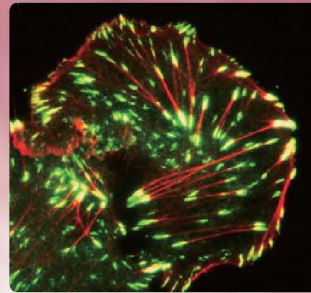
Cat. No.	Product Name	Clonality	Reactivity	Applications
GTX100789	Integrin alpha V antibody [C2C3], C-term	Rb pAb	Hu,Ms	WB, IHC-P, ELISA
GTX128839	Integrin beta 1 / CD29 antibody	Rb pAb	Hu,Ms,Rat,Dog	WB, ICC/IF, IHC-P, IHC-Fr, IP
GTX636657	Integrin beta 1 / CD29 antibody [HL1255]	Rec Rb mAb	Hu,Ms,Cat,Dog	WB, IHC-P
GTX02823	Integrin beta 3 antibody [GT1226]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-P
GTX104577	MMP2 antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P, IP
GTX636524	MMP2 antibody [HL1207]	Rec Rb mAb	Hu,Ms	WB, IHC-P
GTX636525	MMP2 antibody [HL1208]	Rec Rb mAb	Hu,Ms	WB, ICC/IF
GTX100706	MMP3 antibody [N1], N-term	Rb pAb	Hu	ICC/IF, IHC-P
GTX100458	MMP9 antibody [N2C1], Internal	Rb pAb	Hu,Ms,Bov	WB, ICC/IF, IHC-P
GTX127932	NFAT1 antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IP
GTX22722	NFAT1 antibody [25A10.D6.D2]	Ms mAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IHC-Fr, FACS, IP, ChIP assay, Gel supershift assays
GTX28925	NOTCH1 antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, ELISA, Neutralizing/Blocking
GTX636683	NOTCH1 antibody [HL1281]	Rec Rb mAb	Hu	WB
GTX101593	NOTCH2 antibody [C2], C-term	Rb pAb	Hu,Ms	WB, ChIP-seq
GTX127947	Neuropilin 1 antibody	Rb pAb	Ms,Rat	WB, IHC-P
GTX102397	NRP2 antibody [N2N3]	Rb pAb	Hu	WB
GTX110720	p38 MAPK antibody [N1C3-2]	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX635797	p38 MAPK antibody [HL1006]	Rec Rb mAb	Hu,Ms,Rat,Cat,Dog	WB
GTX125891	Paxillin antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P, IP
GTX633769	Paxillin antibody [GT7612]	Ms mAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX132152	Paxillin (phospho Tyr118) antibody	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
GTX633633	Paxillin (phospho Tyr118) antibody [GT712]	Ms mAb	Hu,Ms,Rat	WB, ICC/IF, IHC-P
GTX132154	Paxillin (phospho Tyr31) antibody	Rb pAb	Hu	WB, ICC/IF
GTX107903	PDGF Receptor alpha antibody [N2C2], Internal	Rb pAb	Hu,Ms,Rat	WB, ICC/IF
GTX636838	PI3 kinase p85 alpha antibody [HL1398]	Rec Rb mAb	Hu,Ms,Rat	WB, IHC-Fr, IP
GTX74710	PI3 kinase p85 beta antibody [T15]	Ms mAb	Hu,Bov,Mk	WB, ICC/IF, IHC-P
GTX50858	PI3 kinase p85 (phospho Tyr467) / p55 (phospho Tyr199) antibody	Rb pAb	Hu	WB
GTX100462	PI3 kinase p110 alpha antibody	Rb pAb	Hu,Ms	WB, ICC/IF, IHC-P
GTX108953	PI3 kinase p150 antibody [C1C3]	Rb pAb	Hu,Ms	WB, IP
GTX133546	PLCG1 antibody	Rb pAb	Hu, Ms, Rat	WB
GTX50346	PLCG1 (phospho Tyr771) antibody	Rb pAb	Hu,Ms	WB, ICC/IF



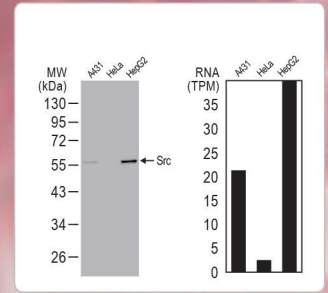
Connexin 43 antibody  
(GTX133022)



Vinculin antibody [HL1873]  
(GTX637622)



Paxillin antibody  
(GTX125891)



Src antibody  
(GTX134412)

Cat. No.	Product Name	Clonality	Reactivity	Applications
GTX111178	PLCG2 antibody	Rb pAb	Hu	WB, ICC/IF, IHC-P
GTX50225	PLCG2 (phospho Tyr753) antibody	Rb pAb	Hu	WB, ICC/IF
GTX133463	PLCG2 (phospho Tyr759) antibody	Rb pAb	Hu	WB
GTX133610	PLCG2 (phospho Tyr1217) antibody	Rb pAb	Hu, Ms	WB
GTX13048	RAC antibody [23A8]	Ms mAb	Hu, Ms, Rat	WB, IHC-Fr, IP
GTX100761	RAC1 antibody	Rb pAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P
GTX113262	RAC2 antibody [N1C3]	Rb pAb	Hu, Ms	WB, IHC-P
GTX37550	Semaphorin 3A antibody	Rb pAb	Hu, Ms, Rat	WB, IHC-P, IHC-Fr
GTX130671	Semaphorin 3A antibody	Rb pAb	Hu, Ms, Rat	WB, IHC-P
GTX134412	Src antibody	Rb pAb	Hu	WB
GTX130023	TGF beta 1 antibody	Rb pAb	Hu, Ms, Rat	WB, IHC-P
GTX134209	TGF beta Receptor I antibody	Rb pAb	Hu	WB
GTX129909	TGF beta Receptor 2 antibody	Rb pAb	Hu	WB
GTX52470	TIE1 antibody [12D9]	Ms mAb	Hu	WB, IHC-P, IHC
GTX107818	TIE1 antibody	Rb pAb	Hu	WB, IHC-P
GTX52471	TIE2 antibody [21G7]	Ms mAb	Hu	WB, IHC-P, ELISA, IHC
GTX107505	TIE2 antibody	Rb pAb	Hu	WB, IHC-P
GTX633705	VE-Cadherin antibody [GT1369]	Ms mAb	Hu	WB, ICC/IF
GTX109749	Vinculin antibody [N3C1], Internal	Rb pAb	Hu, Ms, Rat	WB, IHC-P
GTX637622	Vinculin antibody [HL1873]	Rec Rb mAb	Hu, Ms, Rat, Zfsh, Cat, Dog	WB, IHC-P
GTX637962	VWF antibody [HL2058]	Rec Rb mAb	Hu	WB
GTX102643	VEGF antibody	Rb pAb	Hu, Ms, Rat	WB, IHC-P
GTX132777	VEGF antibody	Rb pAb	Hu, Ms	WB
GTX21316	VEGF antibody [VG1]	Ms mAb	Hu, Ms, Rat	WB, ICC/IF, IHC-P, IHC-Fr, ELISA
GTX638344	VEGFC antibody [HL2289]	Rec Rb mAb	Hu	WB
GTX113574	VEGFC antibody	Rb pAb	Hu, Ms, Rat	WB, IHC-P
GTX100805	VEGFD antibody [N3C3]	Rb pAb	Hu	WB, IHC-P
GTX53092	VEGF Receptor 1 antibody [5F13]	Rat mAb	Ms	WB, IHC-P
GTX22350	VEGF Receptor 1 antibody	Rb pAb	Hu	IHC-P
GTX128969	VEGF Receptor 1 antibody	Rb pAb	Hu	WB
GTX129943	VEGF Receptor 2 antibody	Rb pAb	Hu	WB
GTX53462	VEGF Receptor 2 antibody [6B11]	Ms mAb	Hu	WB, Activation, Inhibition assay
GTX30654	VEGF Receptor 2 antibody	Rb pAb	Hu, Ms, Rat	WB, ICC/IF