

Anti-GPR124 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 139 kDa. Actual: 245 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample:
	Lane 1: Placenta (Mouse) Lysate at 40 µg
	Lane 2: Lung (Mouse) Lysate at 40 µg
	Lane 3: Large intestine (Rat) Lysate at 40 µg
	Lane 4: Lung (Rat) Lysate at 40 µg
Application:	Lane 5: U2os (Human) Cell Lysate at 30 µg
	Primary: Anti-GPR124 (TMAB-06690) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 180-200 kD
Recommended	Observed band size: 245 kD
	WB,IHC-P,IHC-Fr,ICC/IF,IF,ELISA
	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human G protein coupled receptor 124
Antigen Species:	Human
Gene ID:	25960
Uniprot ID:	Q96PE1

Research Background

Tumor endothelial markers (TEMs) are abundantly expressed in the blood vessels of human solid tumors during angiogenesis and neoangiogenesis. These include TEM1 (endosialin), TEM5 (G-protein coupled receptor 124) and TEM7 (plexin domain containing 1). TEMs are associated with the cell surface membrane at low levels in normal human and mouse tissues. TEM5 is a seven-pass transmembrane receptor, whereas TEM1, TEM7 and TEM8 span the membrane once. TEM5 expression is elevated during tumor angiogenesis and neoangiogenesis. TEM7 is highly expressed in tumor endothelium and neurons. Therefore, TEM5 and TEM7 may be suitable targets for the development of antiangiogenic therapies.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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