

Datasheet for ABIN6990814
anti-GPR124 antibody (AA 560-610)



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Overview

Quantity:	0.1 mg
Target:	GPR124
Binding Specificity:	AA 560-610
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR124 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	TEM5 antibody was raised against a 14 amino acid synthetic peptide near the center of human TEM5. The immunogen is located within amino acids 560 - 610 of TEM5.
Isotype:	IgG
Purification:	TEM5 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	GPR124
Alternative Name:	TEM5 (GPR124 Products)
Background:	TEM5 Antibody: Tumor endothelial markers (TEMs) are significantly up-regulated during angiogenesis and neoangiogenesis that are crucial for the growth of solid tumors. TEMs

Target Details

localized on the cell surface and conserved across species are of particular interest for future development of anti-angiogenic therapies. These include TEMs such as TEM1, TEM5, TEM7 and TEM8. TEM5 is a member of the adhesion family of G protein coupled receptors and is localized on the surface of endothelial cells. TEM5 is a seven-pass transmembrane receptor, unlike TEM1, TEM7 and TEM8 which span the membrane once. TEM5 is abundantly expressed in tumor vessels, heart, placenta, ovary, small intestine, and colon. Proteolytically processed soluble TEM5 mediates endothelial cell survival during angiogenesis by linking integrin to glycosaminoglycans.

Gene ID: 25960

UniProt: [Q96PE1](#)

Application Details

Application Notes: TEM5 antibody can be used for detection of TEM5 by Western blot at 2 and 4 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TEM5 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TEM5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.