

TEM5 Polyclonal Antibody

Catalog Number PA5-33618

Product data sheet

Details		Species Reactivity	
Size	50 µg	Species reactivity	Bat, Dog, Horse, Human, Non-human primate, Pig, Rabbit
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	Dilution * 4 µg/mL
Immunogen	Synthetic 17 amino acid peptide from N-terminal extracellular domain of human GPR124.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.9 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.1% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Marmoset, Dog, Bat, Elephant, Panda, Horse, Rabbit, Pig, Opossum (100%).

Background/Target Information

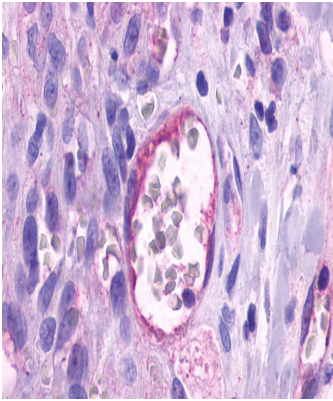
Tumor endothelial markers (TEMs) are significantly up-regulated during angiogenesis and neoangiogenesis that are crucial for the growth of solid tumors. TEMs localized on the cell surface and conserved across species are of particular interest for future development of anti-angiogenic therapies. These 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.

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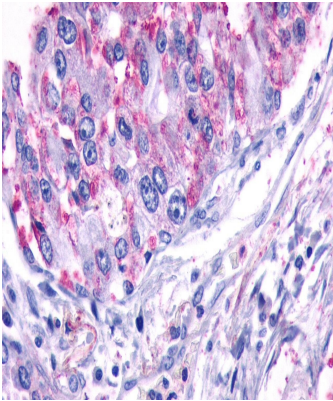
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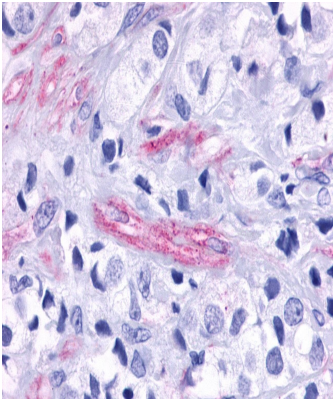
TEM5 Antibody (PA5-33618) in IHC (P)

Immunohistochemistry analysis of TEM5 in human Skin, Kaposi Sarcoma capillary. Samples were incubated with TEM5 polyclonal antibody (Product # PA5-33618). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



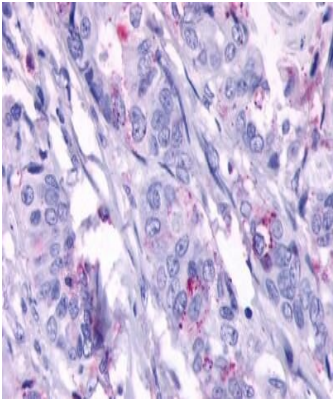
TEM5 Antibody (PA5-33618) in IHC (P)

Immunohistochemistry analysis of TEM5 in human Lung, Adenocarcinoma. Samples were incubated with TEM5 polyclonal antibody (Product # PA5-33618). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



TEM5 Antibody (PA5-33618) in IHC (P)

Immunohistochemistry analysis of TEM5 in human Prostate, Carcinoma Endothelial Cells. Samples were incubated with TEM5 polyclonal antibody (Product # PA5-33618). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



TEM5 Antibody (PA5-33618) in IHC (P)

Immunohistochemistry analysis of TEM5 in human colon carcinoma, neoplastic cells. Samples were incubated with TEM5 polyclonal antibody (Product # PA5-33618). Formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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