Product Datasheet

TEM5 Antibody

Catalog No: #24595

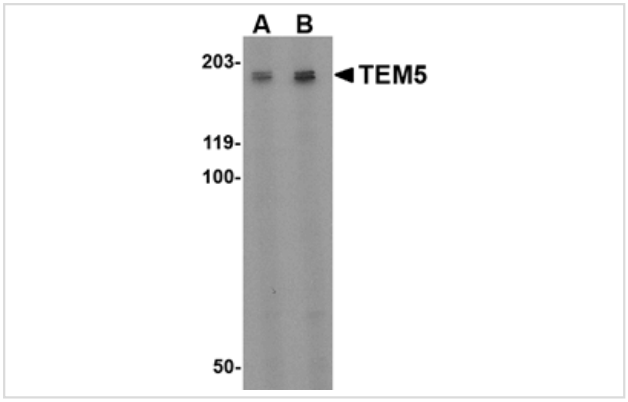
Package Size: #24595 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

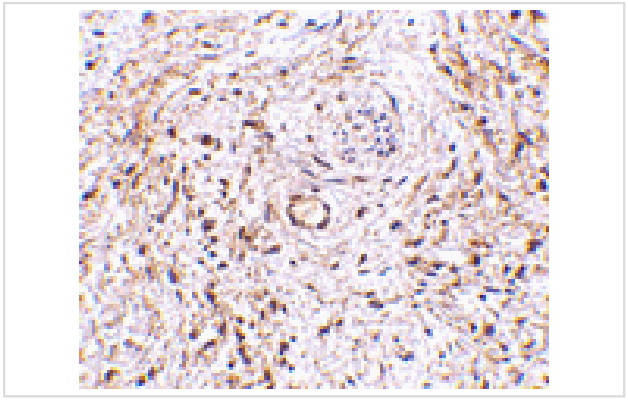
Description

Product Name	TEM5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Human;Rat
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide near the center of human TEM5.
Conjugates	Unconjugated
Target Name	TEM5
Other Names	Tumor endothelial marker 5, G protein-coupled receptor 124, GPR124
Accession No.	Q96PE1
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

Images



Western blot analysis of TEM5 in rat kidney tissue lysate with TEM5 antibody at (A) 2 ug/ml and (B) 4 ug/mL.



Immunohistochemistry of TEM5 in human bladder tissue with TEM5 antibody at 5 ug/mL.

Background

Tumor endothelial markers (TEMs) are significantly up-regulated during angiogenesis and neoangiogensis 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.