

TEM2 Antibody

Catalog No: #24591

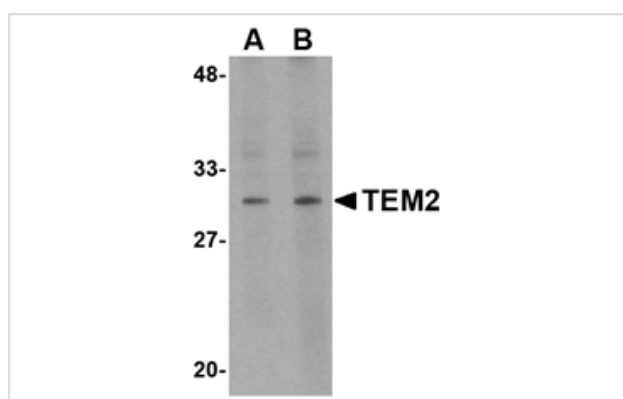
Package Size: #24591 100ul

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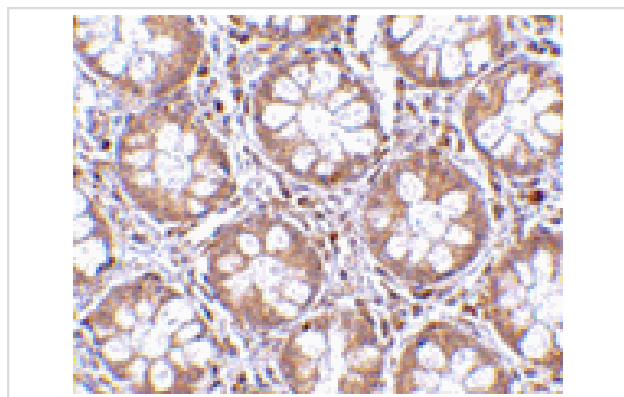
Description

Product Name	TEM2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Human;Mouse;Rat
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the carboxy terminus of the human TEM2.
Conjugates	Unconjugated
Target Name	TEM2
Other Names	Tumor endothelial marker 2, Ras homolog enriched in striatum, Rhes, RASD2
Accession No.	Q96D21
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 TEM2 in human colon tissue lysate with TEM2 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of TEM2 in human colon tissue with TEM2 antibody at 2.5 ug/mL.

Background

Rhes, also known as tumor endothelial marker 2 (TEM2), is a small GTP-binding protein that is predominantly expressed in the striatal region of the brain. This protein belongs to the RASD subfamily of Ras-related GTP-binding protein superfamily and is thought to play a role in the normal development and function of the brain as mice lacking this gene showed increased anxiety levels and motor coordination deficits. Rhes was identified as TEM2 through analysis of genes whose expression was upregulated in tumor endothelium. Tumor endothelial markers 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.

Published Papers

Ningtian Ma;Yuyang Liang;Lingyun Yue;Pu Liu;Yuxia Xu;Cuiqing Zhu et al., The identities of insulin signaling pathway are affected by overexpression of Tau and its phosphorylation form, , (2022)

[PMID:36589543](#)

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