# TEM2 Antibody

Catalog No: #24591

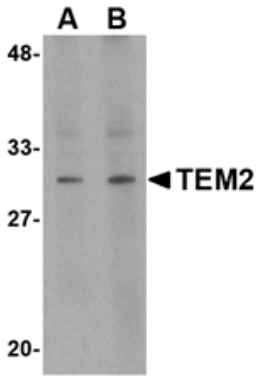
Package Size: #24591 100ul

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

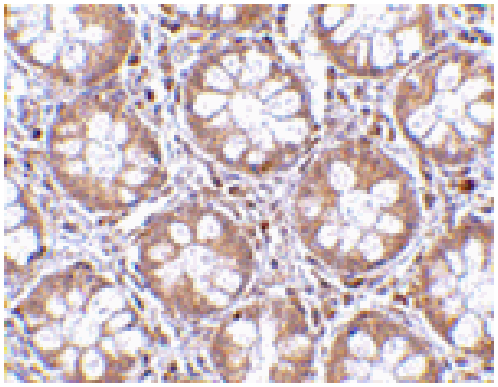
## Description

| | |
|---|---|
| Product Name | TEM2 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Affinity chromatography purified via peptide column |
| Applications | ELISA WB IHC |
| Species Reactivity | Hu Ms Rt |
| 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 el at., 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.