

Anti-TEM2 RASD2 Antibody

Catalog Number: A06806

About RASD2

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.

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Overview

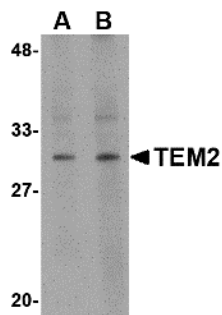
Product Name	Anti-TEM2 RASD2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TEM2 RASD2 Antibody (Catalog # A06806). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TEM2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TEM2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96D21

Technical Details

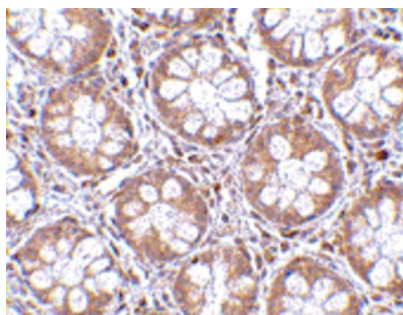
Immunogen	TEM2 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of the human TEM2. The immunogen is located within the last 50 amino acids of TEM2.
Predicted Reactive Species	Mouse, Rat

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TEM2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TEM2 antibody can be used for detection of TEM2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

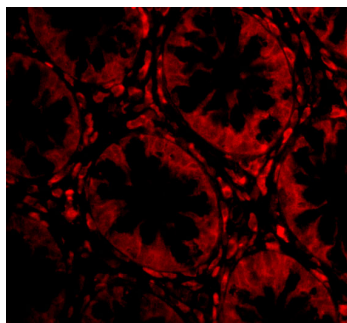
Anti-TEM2 RASD2 Antibody (A06806) Images



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.



Immunofluorescence of TEM2 in Human Colon cells with TEM2 antibody at 20 ug/mL.

[Anti-TEM2 RASD2 Antibody](#)

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