

RASD2 Polyclonal Antibody

Catalog NumberPA5-20439

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse
Class	Polyclonal	Tested Applications	
Type	Antibody	Immunohistochemistry (IHC)	Dilution *2.5 µg/mL
Immunogen	A 16 amino acid peptide near the amino terminus of the human TEM2.	Western Blot (WB)	1-2 µg/mL
Conjugate	Unconjugated	* 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.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is rat colon lysate. PA5-20439 can be used with blocking peptide PEP-0556.

Background/Target Information

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.

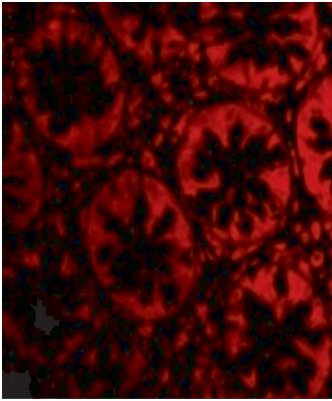
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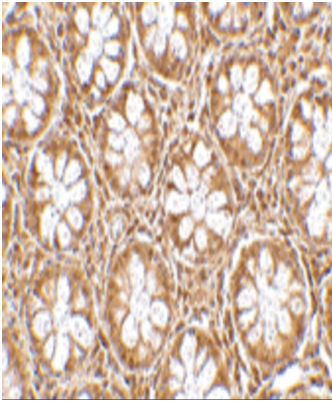
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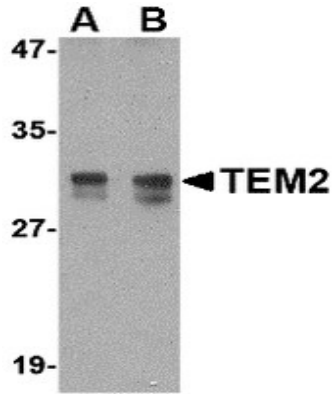
Product Images For RASD2 Polyclonal Antibody



RASD2 Antibody (PA5-20439) in ICC/IF
Immunofluorescence of TEM2 in Human Colon cells with RASD2 Polyclonal Antibody (Product # PA5-20439) at 20 µg/mL.



RASD2 Antibody (PA5-20439) in IHC
Immunohistochemistry of TEM2 in human colon tissue with RASD2 Polyclonal Antibody (Product # PA5-20439) at 2.5 µg/mL.



RASD2 Antibody (PA5-20439) in WB
Western Blot analysis of TEM2 in rat colon tissue lysate with RASD2 Polyclonal Antibody (Product # PA5-20439) at (A) 1 and (B) 2 µg/mL.

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