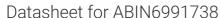
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anti-RGS22 antibody (N-Term)



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Overview	
Quantity:	0.1 mg
Target:	RGS22
Binding Specificity:	AA 870-920, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS22 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	RGS22 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus
	of human RGS22. The immunogen is located within amino acids 870 - 920 of RGS22.
Isotype:	IgG
Specificity:	At least four isoforms of RGS22 are known to exist, this antibody will detect the three longest
	isoforms. RGS22 antibody is predicted to not cross-react with other RGS proteins
Purification:	RGS22 Antibody is affinity chromatography purified via peptide column.
Target Details	
Target:	RGS22
Alternative Name:	RGS22 (RGS22 Products)

Target Details

Background:	RGS22 Antibody: Regulator of G-protein signaling (RGS) proteins contain an 120 amino acid	
	conserved domain, termed the RGS domain, that acts as a GTPase-activating protein that acts	
	to reduce the signal transmitted by the receptor-activated G-alpha subunit. RGS22 is a recently	
	identified member of this family that localizes to the testis and can interact with guanine	
	nucleotide binding proteins alpha 11, 12, and 13 (GNA11, GNA12, and GNA13). While RGS22	
	has been postulated to play a role in spermiogenesis in the testis, it is also expressed in several	
	cancer cell lines with an epithelial origin and associated with cancer metastasis. Its	
	overexpression in a highly metastatic cancer causes a decrease in cell migration and a	
	reduction of the invasive potential of the cells, suggesting that RGS22 may be a potential	
	prognostic biomarker for metastasis.	
Molecular Weight:	139 kDa	
Gene ID:	26166	
NCBI Accession:	NP_056483	
UniProt:	Q8NE09	
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling	
Application Details		
Application Details		
Application Notes:	RGS22 antibody can be used for detection of RGS22 by Western blot at 1 - 2 μ,g/mL. For	
	immunofluorescence start at 20 μ,g/mL.	
	Antibody validated: Western Blot in human samples and Immunofluorescence in human	
	samples. All other applications and species not yet tested.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	RGS22 Antibody is supplied in PBS containing 0.02 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	

Handling

Storage:	-20 °C,4 °C	
Storage Comment:	RGS22 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.	