

Product datasheet for **TA308102**

RASGRP 4 (RASGRP4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region within amino acids 108 and 200 of RASGRP4 (Uniprot ID#Q8TDF6)
Formulation:	1XPBS, 40% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	75 kDa
Gene Name:	RAS guanyl releasing protein 4
Database Link:	NP_733749 Entrez Gene 115727 Human Q8TDF6



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Background:

The protein encoded by this gene is a member of the Ras guanyl nucleotide-releasing protein (RasGRP) family of Ras guanine nucleotide exchange factors. It contains a Ras exchange motif, a diacylglycerol-binding domain, and two calcium-binding EF hands. This protein was shown to activate H-Ras in a cation-dependent manner in vitro. Expression of this protein in myeloid cell lines was found to be correlated with elevated level of activated RAS protein, and the RAS activation can be greatly enhanced by phorbol ester treatment, which suggested a role of this protein in diacylglycerol regulated cell signaling pathways. Studies of a mast cell leukemia cell line expressing substantial amounts of abnormal transcripts of this gene indicated that this gene may play an important role in the final stages of mast cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Synonyms:

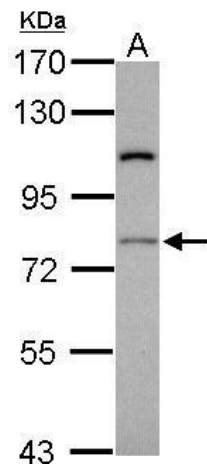
guanyl nucleotide releasing protein 4; RAS guanyl releasing protein 4

Protein Families:

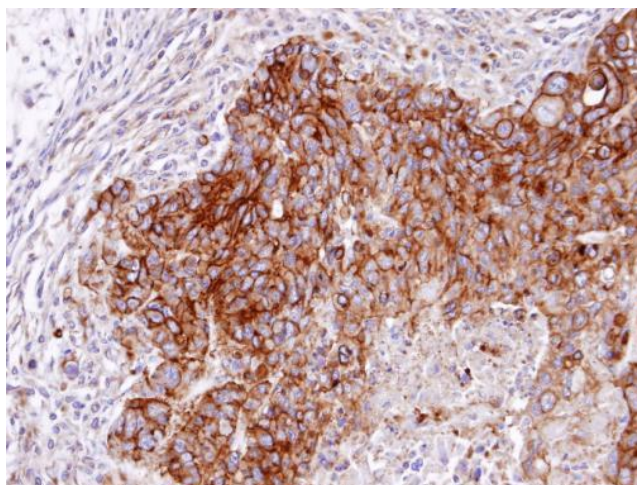
Druggable Genome

Protein Pathways:

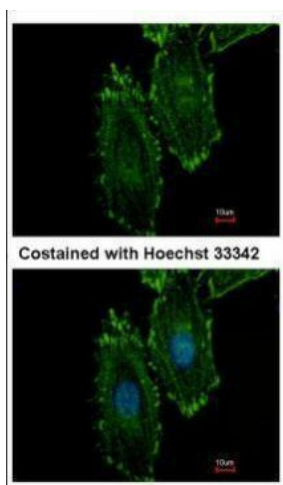
MAPK signaling pathway

Product images:

Sample (30 ug of whole cell lysate). A: Jurkat.
7.5% SDS PAGE. TA308102 diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded SW480 xenograft, using RASGRP4 (TA308102) antibody at 1:100 dilution.



Immunofluorescence analysis of methanol-fixed HeLa, using RASGRP4 (TA308102) antibody at 1:500 dilution.