

## RASGRP4 antibody

Catalog No: #22219

Package Size: #22219 100ul

## Description

|                       |                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Product Name          | RASGRP4 antibody                                                                                               |
| Host Species          | Rabbit                                                                                                         |
| Clonality             | Polyclonal                                                                                                     |
| Purification          | Purified by antigen-affinity chromatography.                                                                   |
| Applications          | WB IHC IF                                                                                                      |
| Species Reactivity    | Hu                                                                                                             |
| Immunogen Type        | Peptide                                                                                                        |
| Immunogen Description | Synthetic peptide contain a sequence corresponding to a region within amino acids 108 and 170 of Human RASGRP4 |
| Conjugates            | Unconjugated                                                                                                   |
| Target Name           | RASGRP4                                                                                                        |
| Accession No.         | Swiss-Prot:Q8TDF6Gene ID:115727                                                                                |
| Concentration         | 1mg/ml                                                                                                         |
| Formulation           | Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative. |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                      |

## Application Details

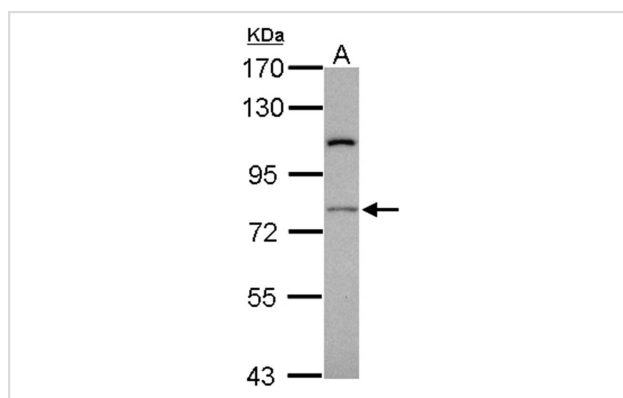
Predicted MW: 75kd

Western blotting: 1:500-1:3000

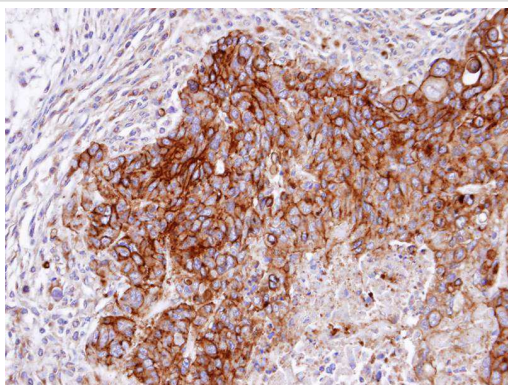
Immunohistochemistry: 1:100-1:250

Immunofluorescence: 1:100-1:200

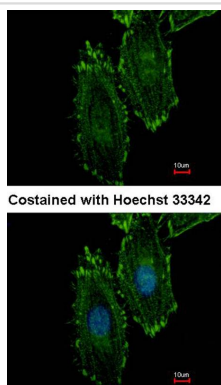
## Images



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



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



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

## 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]

Note: This product is for in vitro research use only and is not intended for use in humans or animals.