

**RASGRP4 Antibody (monoclonal) (M02)**

Mouse monoclonal antibody raised against a partial recombinant RASGRP4.

Catalog # AT3581a

**Specification**

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**RASGRP4 Antibody (monoclonal) (M02) - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">Q8TDF6</a>
Other Accession	<a href="#">NM_170603</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	74882

**RASGRP4 Antibody (monoclonal) (M02) - Additional Information**

**Gene ID** 115727

**Other Names**

RAS guanyl-releasing protein 4, RASGRP4

**Target/Specificity**

RASGRP4 (NP\_733748, 574 a.a. ~ 673 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

RASGRP4 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

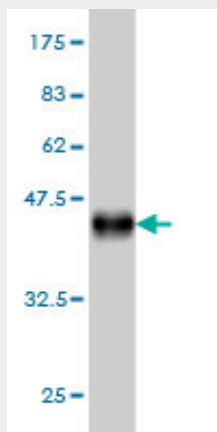
**RASGRP4 Antibody (monoclonal) (M02) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

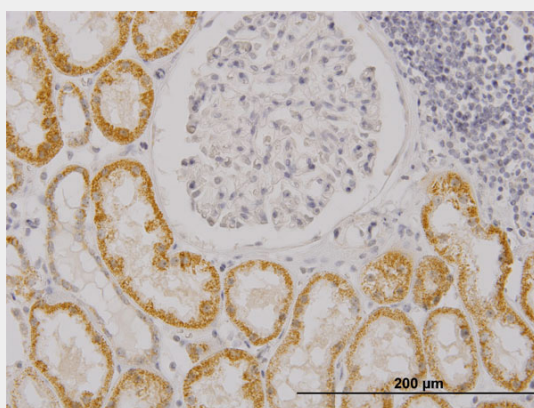
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

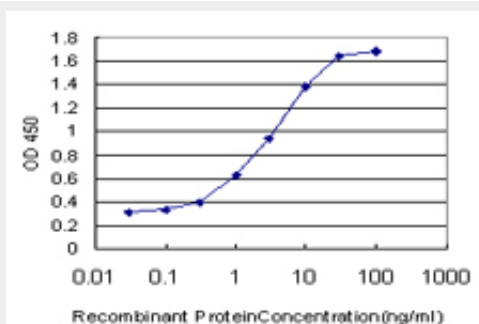
### RASGRP4 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Immunoperoxidase of monoclonal antibody to RASGRP4 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged RASGRP4 is approximately 0.03ng/ml as a capture antibody.

### RASGRP4 Antibody (monoclonal) (M02) - 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. [provided by RefSeq]