

## **GRAP2 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant GRAP2.

Catalog # AT2256a

### **Specification**

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#### **GRAP2 Antibody (monoclonal) (M01) - Product Information**

Application	IP, WB, IHC, E
Primary Accession	<a href="#">O75791</a>
Other Accession	<a href="#">BC025692</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	37909

#### **GRAP2 Antibody (monoclonal) (M01) - Additional Information**

**Gene ID** 9402

##### **Other Names**

GRB2-related adapter protein 2, Adapter protein GRID, GRB-2-like protein, GRB2L, GRBLG, GRBX, Grf40 adapter protein, Grf-40, Growth factor receptor-binding protein, Hematopoietic cell-associated adapter protein GrpL, P38, Protein GADS, SH3-SH2-SH3 adapter Mona, GRAP2, GADS, GRB2L, GRID

##### **Target/Specificity**

GRAP2 (AAH25692, 226 a.a. ~ 315 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**

GRAP2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

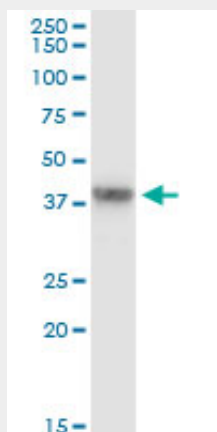
#### **GRAP2 Antibody (monoclonal) (M01) - Protocols**

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

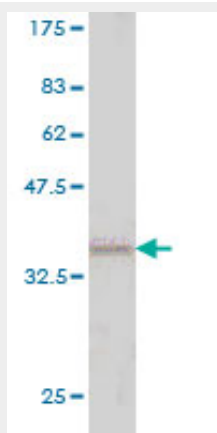
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

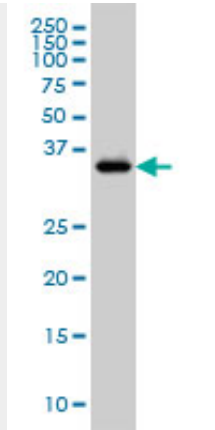
#### GRAP2 Antibody (monoclonal) (M01) - Images



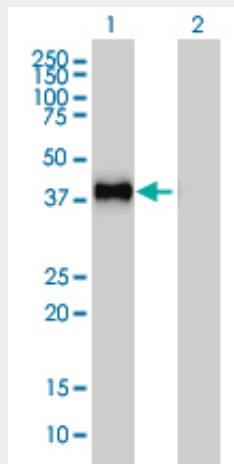
Immunoprecipitation of GRAP2 transfected lysate using anti-GRAP2 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with GRAP2 monoclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 KDa) .

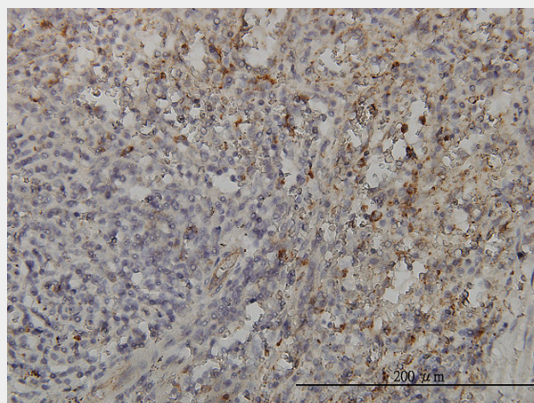


GRAP2 monoclonal antibody (M01), clone 1G12 Western Blot analysis of GRAP2 expression in Jurkat ( Cat # AT2256a )

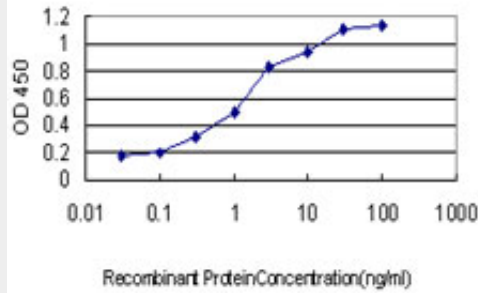


Western Blot analysis of GRAP2 expression in transfected 293T cell line by GRAP2 monoclonal antibody (M01), clone 1G12.

Lane 1: GRAP2 transfected lysate(38 KDa).  
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to GRAP2 on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged GRAP2 is approximately 0.03ng/ml as a capture antibody.

### **GRAP2 Antibody (monoclonal) (M01) - Background**

This gene encodes a member of the GRB2/Sem5/Drk family. This member is an adaptor-like protein involved in leukocyte-specific protein-tyrosine kinase signaling. Like its related family member, GRB2-related adaptor protein (GRAP), this protein contains an SH2 domain flanked by two SH3 domains. This protein interacts with other proteins, such as GRB2-associated binding protein 1 (GAB1) and the SLP-76 leukocyte protein (LCP2), through its SH3 domains. Transcript variants utilizing alternative polyA sites exist.

### **GRAP2 Antibody (monoclonal) (M01) - References**

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614. New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. *Genes Immun*, 2010 Apr. PMID 20237496. The Bcr-Abl kinase regulates the actin cytoskeleton via a GADS/Slp-76/Nck1 adaptor protein pathway. Preisinger C, et al. *Cell Signal*, 2010 May. PMID 20079431. Secreted protein acidic and rich in cysteine (SPARC) gene polymorphism association with hepatocellular carcinoma in Italian patients. Segat L, et al. *J Gastroenterol Hepatol*, 2009 Dec. PMID 19817957. Expression of the Grb2-related RET adapter protein Grap-2 in human medullary thyroid carcinoma. Ludwig L, et al. *Cancer Lett*, 2009 Mar 18. PMID 19027225.