

**IQGAP1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant IQGAP1.****Catalog # AT2535a****Specification**

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**IQGAP1 Antibody (monoclonal) (M01) - Product Information**

Application	WB, IHC, IF, E
Primary Accession	<a href="#">P46940</a>
Other Accession	<a href="#">NM_003870</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	189252

**IQGAP1 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 8826**Other Names**

Ras GTPase-activating-like protein IQGAP1, p195, IQGAP1, KIAA0051

**Target/Specificity**

IQGAP1 (NP\_003861, 611 a.a. ~ 710 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

E~~N/A

**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**

IQGAP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

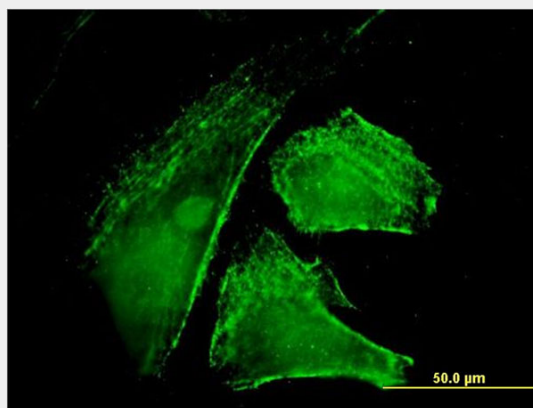
**IQGAP1 Antibody (monoclonal) (M01) - Protocols**

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

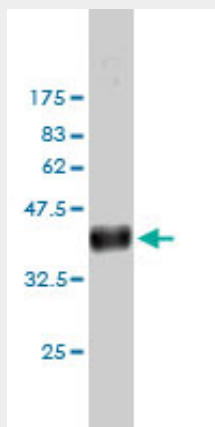
- [Western Blot](#)

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

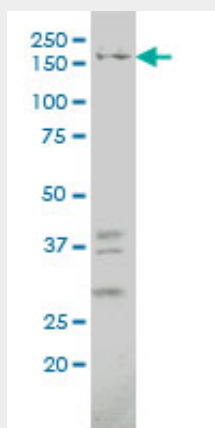
#### **IQGAP1 Antibody (monoclonal) (M01) - Images**



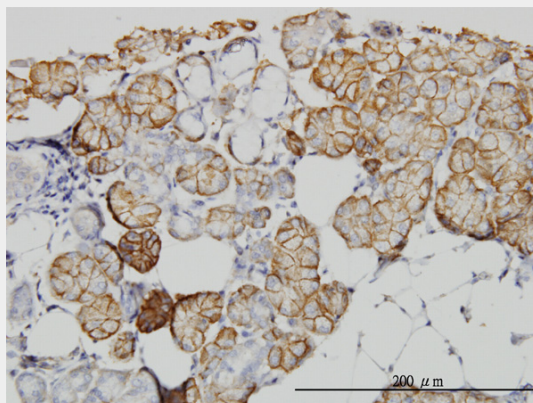
Immunofluorescence of monoclonal antibody to IQGAP1 on HeLa cell. [antibody concentration 10 ug/ml]



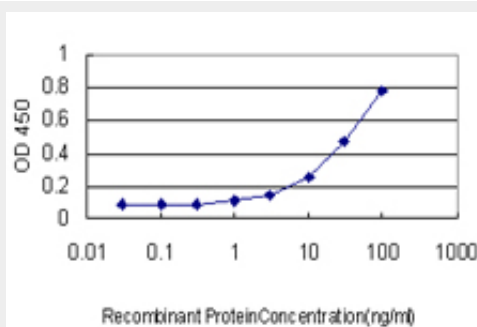
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



IQGAP1 monoclonal antibody (M01), clone 2C5 Western Blot analysis of IQGAP1 expression in C32 (Cat # AT2535a)



Immunoperoxidase of monoclonal antibody to IQGAP1 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged IQGAP1 is approximately 3ng/ml as a capture antibody.

### **IQGAP1 Antibody (monoclonal) (M01) - Background**

This gene encodes a member of the IQGAP family. The protein contains four IQ domains, one calponin homology domain, one Ras-GAP domain and one WW domain. It interacts with components of the cytoskeleton, with cell adhesion molecules, and with several signaling molecules to regulate cell morphology and motility. Expression of the protein is upregulated by gene amplification in two gastric cancer cell lines.

### **IQGAP1 Antibody (monoclonal) (M01) - References**

Honokiol inhibits HepG2 migration via down-regulation of IQGAP1 expression discovered by a quantitative pharmaceutical proteomic analysis. Liang S, et al. Proteomics, 2010 Apr. PMID 20127691. Endothelial IQGAP1 regulates efficient lymphocyte transendothelial migration. Nakhaei-Nejad M, et al. Eur J Immunol, 2010 Jan. PMID 20017185. Overexpression of IQGAP1 in advanced colorectal cancer correlates with poor prognosis-critical role in tumor invasion. Hayashi H, et al. Int J Cancer, 2010 Jun 1. PMID 19856315. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. IQGAP1 regulates cell proliferation through a novel CDC42-mTOR pathway. Wang JB, et al. J Cell Sci, 2009 Jun 15. PMID 19454477.