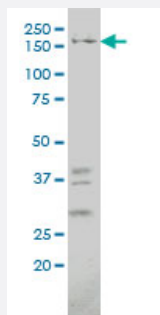


IQGAP1 monoclonal antibody (M01), clone 2C5

Catalog # H00008826-M01

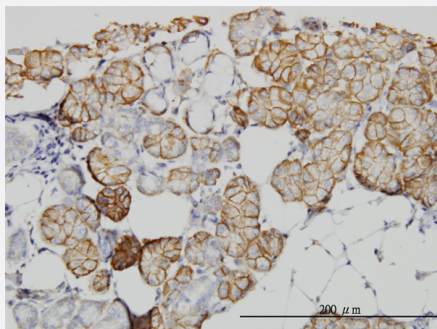
Size 100 ug

Applications



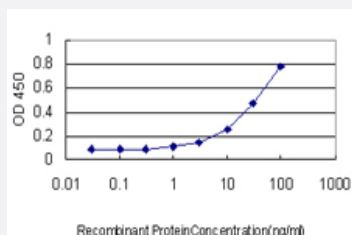
Western Blot (Cell lysate)

IQGAP1 monoclonal antibody (M01), clone 2C5 Western Blot analysis of IQGAP1 expression in C32 (Cat # L002V1).



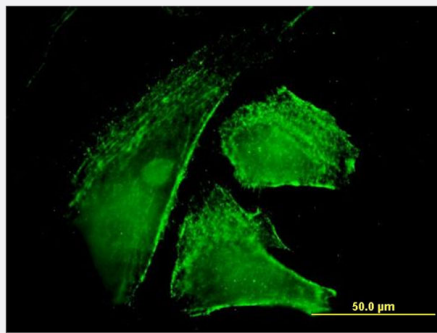
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



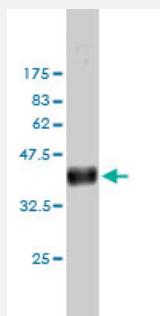
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant IQGAP1.
Immunogen	IQGAP1 (NP_003861, 611 a.a. ~ 710 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	WQSNKDTQEAQKFALGIFAINAEVESGDVGKTL SALRSPDVGLYGVIPCGETYHSDLA EAKKKK LAVGDNNSKWVKHWVKGGYYYYHNLETQEGGWDEP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (92)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

IQGAP1 monoclonal antibody (M01), clone 2C5 Western Blot analysis of IQGAP1 expression in C32 (Cat # L002V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

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[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — IQGAP1

Entrez GeneID	8826
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GeneBank Accession#	NM_003870
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Protein Accession#	NP_003861
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Gene Name	IQGAP1
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Gene Alias	HUMORFA01, KIAA0051, SAR1, p195
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Gene Description	IQ motif containing GTPase activating protein 1
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Omim ID	603379
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Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

RasGAP-like with IQ motifs

Publication Reference

- [AMD1 upregulates hepatocellular carcinoma cells stemness by FTO mediated mRNA demethylation.](#)

Xinyu Bian, Dongmin Shi, Kailin Xing, Hongxin Zhou, Lili Lu, Dahai Yu, Weizhong Wu.

Clinical and Translational Medicine 2021 Mar; 11(3):e352.

Application: IF, Human, PLC cells

Pathway

- [Adherens junction](#)
- [Regulation of actin cytoskeleton](#)