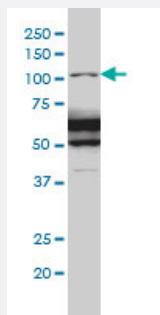


RASA1 monoclonal antibody (M01), clone 2C12

Catalog # H00005921-M01

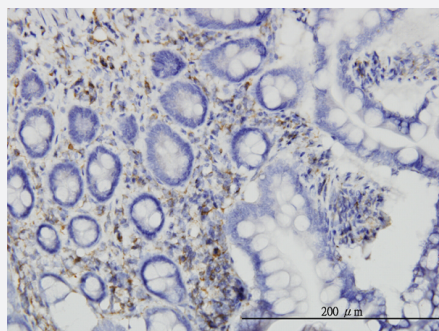
Size 100 ug

Applications



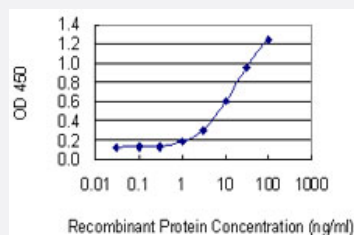
Western Blot (Cell lysate)

RASA1 monoclonal antibody (M01), clone 2C12 Western Blot analysis of RASA1 expression in IMR-32 (Cat # L008V1).



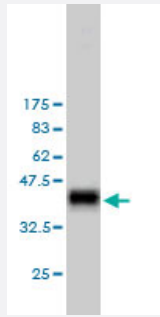
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to RASA1 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 6 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RASA1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant RASA1.
Immunogen	RASA1 (NP_002881, 948 a.a. ~ 1047 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AKEPYMEGVNPFIKSNKHRMIMFLDELGNVPELPDTTEHSRTDLSRDLAALHEICVAHSDELRTLS NERGAQQHVLKLLAITELLQQKQNQYTKTNDVR
Host	Mouse
Reactivity	Human
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)

RASA1 monoclonal antibody (M01), clone 2C12 Western Blot analysis of RASA1 expression in IMR-32 (Cat # L008V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

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[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged RASA1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — RASA1

Entrez GeneID [5921](#)

GeneBank Accession# [NM_002890](#)

Protein Accession# [NP_002881](#)

Gene Name RASA1

Gene Alias CM-AVM, CMAVM, DKFZp434N071, GAP, PKWS, RASA, RASGAP, p120GAP, p120RASGA P

Gene Description RAS p21 protein activator (GTPase activating protein) 1

Omim ID [139150](#) [608354](#) [608355](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is located in the cytoplasm and is part of the GAP1 family of GTPase-activating proteins. The gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. Mutations leading to changes in the binding sites of either protein are associated with basal cell carcinomas. Alternative splicing results in two isoforms where the shorter isoform, lacking the N-terminal hydrophobic region but retaining the same activity, appears to be abundantly expressed in placental but not adult tissues. [provided by RefSeq]

Other Designations GTPase activating protein|RAS p21 protein activator 1|triphosphatase-activating protein

Pathway

- [Axon guidance](#)
- [MAPK signaling pathway](#)

Disease

- [Adenoma](#)
- [Carcinoma](#)
- [Chromosome Aberrations](#)
- [Hypertension](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Recurrence](#)
- [Thyroid Neoplasms](#)