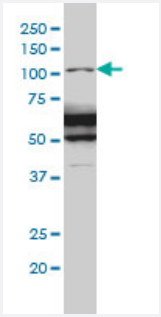
RASA1 monoclonal antibody (M01A), clone 2C12

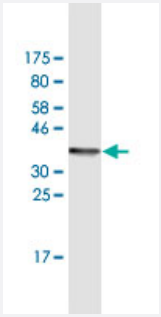
Catalog # H00005921-M01A Size 200 uL

Applications



Western Blot (Cell lysate)

RASA1 monoclonal antibody (M01A), clone 2C12 Western Blot analysis of RASA1 expression in IMR-32 (Cat # L008V1).



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 NERGAQQHVLKKLLAITELLQQKQNQYTKTNDVR
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 ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  RASA1 monoclonal antibody (M01A), clone 2C12 Western Blot analysis of RASA1 expression in IMR-32 (Cat # L008V1).

  Protocol Download

- Western Blot (Recombinant protein)

  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, p120RASGAP
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 GT Pase-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 w eak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, th ereby allowing control of cellular proliferation and differentiation. Mutations leading to changes in t he binding sites of either protein are associated with basal cell carcinomas. Alternative splicing re sults in two isoforms where the shorter isoform, lacking the N-terminal hydrophobic region but reta ining the same activity, appears to be abundantly expressed in placental but not adult tissues. [pro vided 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