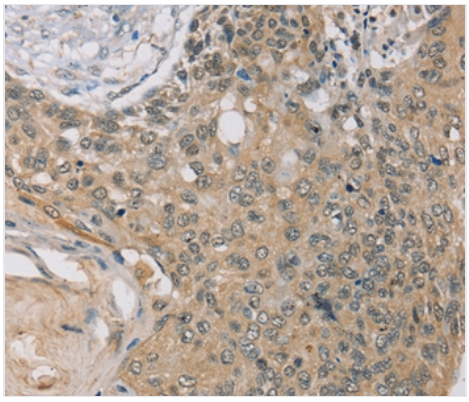
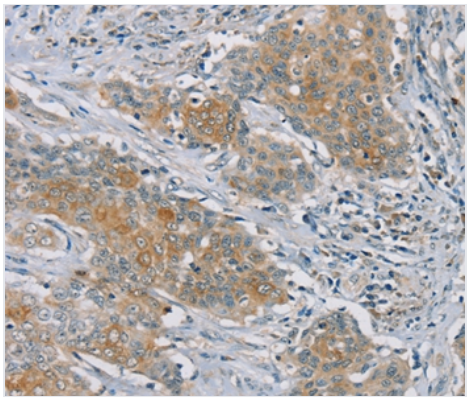
RASA2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RASA2, Polyclonal Antibody
Full Product Name	RASA2 Antibody
Product Gene Name	anti-RASA2 antibody
Product Synonym Names	GAP1M
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	3 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total RASA2 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	96,527 Da
OMIM	601589
3D Structure	ModBase 3D Structure for Q15283
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human RAS p21 protein activator 2
Target Name	RASA2
Product Categories/Family for anti-RASA2 antibody	Total protein Ab
Applications Tested/Suitable for anti-RASA2 antibody	Immunohistochemistry (IHC)
Application Notes for anti-RASA2 antibody	Immunohistochemistry: 1:50-1:200
Related Product Information for anti-RASA2 antibody	The protein encoded by this gene is member 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. This particular family member has a perinuclear localization and is an inositol 1,3,4,5-tetrakisphosphate-binding protein; a compound suggested to function as a second messenger.
Other Notes	Small volumes of anti-RASA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RASA2 purchase	MBS9411309 is an antibody targeting RASA2. Also known as RASA2 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-RASA2 antibody
Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using at dilution 1/45.



Immunohistochemistry (IHC) of anti-RASA2 antibody
Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using at dilution 1/45.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RASA2. It may not necessarily be applicable to this product.

NCBI GI #	747019245
NCBI GeneID	5922
NCBI Accession #	NP_001290174.1
UniProt Primary Accession #	Q15283
UniProt Secondary Accession #	O00695; Q15284; Q92594; Q99577; Q9UEQ2; A8K7K1; G3V0F9
UniProt Related Accession #	Q15283
GenBank Nucleotide #	NM_001303245.1
NCBI Official Full Name	ras GTPase-activating protein 2 isoform 2
NCBI Official Synonym Full Names	RAS p21 protein activator 2
NCBI Official Symbol	RASA2
NCBI Official Synonym Symbols	GAP1M
UniProt Protein Name	Ras GTPase-activating protein 2
UniProt Synonym Protein Names	GTPase-activating protein 1m; GAP1m
Protein Family	Ras GTPase-activating protein
UniProt Gene Name	RASA2
UniProt Synonym Gene Names	GAP1M; RASGAP; GAP1m
UniProt Entry Name	RASA2_HUMAN
NCBI Protein Information	ras GTPase-activating protein 2
NCBI Summary for RASA2	The protein encoded by this gene is member 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

UniProt Comments for RASA2	RASA2: Inhibitory regulator of the Ras-cyclic AMP pathway. Binds inositol tetrakisphosphate (IP4). Protein type: GAPs, Ras; GAPs Chromosomal Location of Human Ortholog: 3q22-q23 Cellular Component: perinuclear region of cytoplasm; cytoplasm Molecular Function: metal ion binding Biological Process: negative regulation of Ras protein signal transduction; signal transduction
Research Articles on RASA2	**1.** GAP1m is a Ras GAP that switches off Ras signalling. GAP1m undergoes a plasma membrane association following growth factor stimulation of PI 3-kinase as a result of its PH domain binding to phosphatidylinositol 3,4,5-trisphosphate.
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