



Rabbit Anti-RASSF7 antibody

SL7845R

Product Name:	RASSF7
Chinese Name:	RAS家族关联结构域蛋白7抗体
Alias:	C11orf13; Chromosome 11 open reading frame 13; HRAS1; HRAS1 related cluster 1; HRAS1 related cluster protein 1; HRC1; MGC126069; Ras association (RalGDS/AF 6) domain family (N terminal) member 7; Ras association (RalGDS/AF 6) domain family 7; Ras association domain containing protein 7; RASSF 7; RASF7_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RASSF7:31-130/373
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	RASSF7 contains 1 Ras-associating domain. It is a centrosome-associated protein required to form a spindle and complete mitosis in the neural tube. There are two isoforms.

Function:

Negatively regulates stress-induced JNK activation and apoptosis by promoting MAP2K7 phosphorylation and inhibiting its ability to activate JNK. Following prolonged stress, anti-apoptotic effect stops because of degradation of RASSF7 protein via the ubiquitin-proteasome pathway. Required for the activation of AURKB and chromosomal congression during mitosis where it stimulates microtubule polymerization.

Subunit:

Interacts with MAP2K7 and GTP-bound NRAS.

Subcellular Location:

Cytoplasm, cytoskeleton, centrosome. Note=Colocalizes with gamma-tubulin.

Post-translational modifications:

Polyubiquitinated and degraded by the proteasome upon prolonged stress stimuli.

Similarity:

Contains 1 Ras-associating domain.

SWISS:

Q02833

Gene ID:

8045

Database links:

UniProtKB/Swiss-Prot: Q02833.1

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.