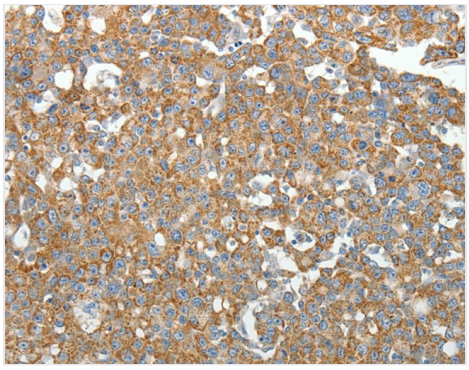
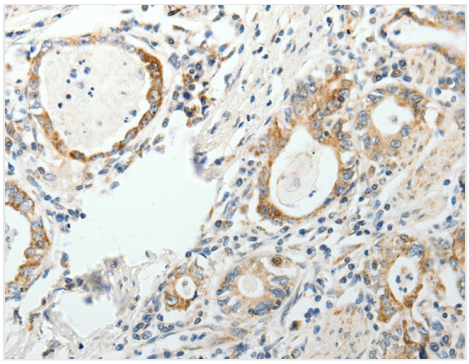
GEMIN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GEMIN2, Polyclonal Antibody
Full Product Name	GEMIN2 Polyclonal Antibody
Product Gene Name	anti-GEMIN2 antibody
Product Synonym Names	SIP1; SIP1-delta
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	1.4mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	4,826 Da
OMIM	602595
Immunogen	Synthetic peptide of human GEMIN2
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GEMIN2 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-GEMIN2 antibody	IHC: 1:50-1:200
Related Product Information for anti-GEMIN2 antibody	This gene encodes one of the proteins found in the SMN complex, which consists of several gemin proteins and the protein known as the survival of motor neuron protein. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal snRNPs and for pre-mRNA splicing. This protein interacts directly with the survival of motor neuron protein and it is required for formation of the SMN complex. A knockout mouse targeting the mouse homolog of this gene exhibited disrupted snRNP assembly and motor neuron degeneration.
Other Notes	Small volumes of anti-GEMIN2 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 GEMIN2 purchase	MBS2528381 is an antibody targeting GEMIN2. Also known as GEMIN2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-GEMIN2 antibody
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using GEMIN2 Polyclonal Antibody at dilution 1:40



Immunohistochemistry (IHC) of anti-GEMIN2 antibody
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using GEMIN2 Polyclonal Antibody at dilution 1:40

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GEMIN2. It may not necessarily be applicable to this product.

NCBI GI #	57165352
NCBI GeneID	8487
NCBI Accession #	NP_001009183.1
UniProt Secondary Accession #	Q2M3B3; Q9H4F5; Q9NS77; Q9NS78; Q9NS79; B2R9W8
UniProt Related Accession #	O14893
GenBank Nucleotide #	NM_001009183.1
NCBI Official Full Name	gem-associated protein 2 isoform gamma
NCBI Official Synonym Full Names	gem (nuclear organelle) associated protein 2
NCBI Official Symbol	GEMIN2
NCBI Official Synonym Symbols	SIP1; SIP1-delta
UniProt Protein Name	Gem-associated protein 2
UniProt Synonym Protein Names	Component of gems 2; Survival of motor neuron protein-interacting protein 1; SMN-interacting protein 1
Protein Family	Gem-associated protein
UniProt Gene Name	GEMIN2
UniProt Synonym Gene Names	SIP1; Gemin-2; SMN-interacting protein 1
UniProt Entry Name	GEMI2_HUMAN
NCBI Protein Information	gem-associated protein 2; SMN interacting protein 1-delta; component of gems 2; gemin-2; survival of motor neuron protein interacting protein 1

UniProt Comments for GEMIN2	SIP1: The SMN complex plays an essential role in spliceosomal snRNP assembly in the cytoplasm and is required for pre-mRNA splicing in the nucleus. Belongs to the gemin-2 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: RNA splicing Chromosomal Location of Human Ortholog: 14q13 Cellular Component: nucleoplasm; spliceosome; cytoplasm; nucleolus; SMN complex; nucleus; cytosol Molecular Function: protein binding Biological Process: RNA splicing, via transesterification reactions; spliceosomal snRNP biogenesis; RNA splicing; spliceosome assembly; gene expression; mRNA processing
Research Articles on GEMIN2	**1.** Two monoclonal antibodies against SMN (survival-of-motor-neurons) protein bind to its site of interaction with gemin2.
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