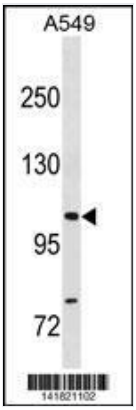
GEMIN4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GEMIN4, Polyclonal Antibody
Full Product Name	GEMIN4, NT (GEMIN4, Gem-associated protein 4, Component of gems 4, p97) (FITC)
Product Gene Name	anti-GEMIN4 antibody
Product Synonym Names	GEMIN4; Gem-associated protein 4; Component of gems 4; p97
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	120,037 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (647661..656038, complement). Location: 17p13
OMIM	606969
3D Structure	ModBase 3D Structure for P57678
Immunogen	GEMIN4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-301 amino acids from the N-terminal region of human GEMIN4.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-GEMIN4 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-GEMIN4 antibody	Western Blot (WB), FLISA
Application Notes for anti-GEMIN4 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GEMIN4 antibody	The product of this gene is part of a large complex localized to the cytoplasm, nucleoli, and to discrete nuclear bodies called Gemini bodies (gems). The complex functions in spliceosomal snRNP assembly in the cytoplasm, and regenerates spliceosomes required for pre-mRNA splicing in the nucleus. The encoded protein directly interacts with a DEAD box protein and several spliceosome core proteins. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.

Product References and Citations for anti-GEMIN4 antibody	Kim, J.S., et al. Mol. Carcinog. 49(10):913-921(2010). Wilker, E.H., et al. Environ. Health Perspect. 118(7):943-948(2010). Boni, V., et al. Pharmacogenomics J. (2010). In press: Clague, J., et al. Mol. Carcinog. 49(2):183-189(2010). Ye, Y., et al. Cancer Prev Res (Phila) 1(6):460-469(2008).
Other Notes	Small volumes of anti-GEMIN4 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 GEMIN4 purchase	MBS6301910 is an antibody targeting GEMIN4. Also known as GEMIN4, NT (GEMIN4, Gem-associated protein 4, Component of gems 4, p97) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GEMIN4 antibody
GEMIN4 Antibody (N-term) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GEMIN4 antibody detected the GEMIN4 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GEMIN4. It may not necessarily be applicable to this product.

NCBI GI #	122939157
NCBI GeneID	50628
NCBI Accession #	NP_056536.2
UniProt Primary Accession #	P57678
UniProt Secondary Accession #	Q9NZS7; Q9UG32; Q9Y4Q2
UniProt Related Accession #	P57678
GenBank Nucleotide #	NM_015721.2
NCBI Official Full Name	gem-associated protein 4
NCBI Official Synonym Full Names	gem (nuclear organelle) associated protein 4
NCBI Official Symbol	GEMIN4
NCBI Official Synonym Symbols	p97; HC56; HCAP1; HHRF-1
UniProt Protein Name	Gem-associated protein 4
UniProt Synonym Protein Names	Component of gems 4; p97
Protein Family	Gem-associated protein
UniProt Gene Name	GEMIN4
UniProt Synonym Gene Names	Gemin-4
UniProt Entry Name	GEMI4_HUMAN
NCBI Protein Information	gem-associated protein 4; gemin-4; component of gems 4; HCC-associated protein 1

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