SYNCRIP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SYNCRIP, Polyclonal Antibody
Full Product Name	SYNCRIP Rabbit pAb
Product Gene Name	anti-SYNCRIP antibody
Product Synonym Names	PP68; NSAP1; GRYRBP; HNRNPQ; HNRPQ1; GRY-RBP; hnRNP-Q
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	50-100kDa
3D Structure	ModBase 3D Structure for O60506
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human SYNCRIP (NP_001153146.1).
Cellular Localization	Cytoplasm, Endoplasmic Reticulum, Microsome, Nucleus, Spliceosome
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SYNCRIP antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-SYNCRIP antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200
Related Product Information for anti-SYNCRIP antibody	Heterogenous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. Component of the CRD-mediated complex that promotes MYC mRNA stability. Isoform 1, isoform 2 and isoform 3 are associated in vitro with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Isoform 1 binds to apoB mRNA AU-rich sequences. Isoform 1 is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to A1CF (APOBEC1 complementation factor), to APOBEC1 or to RNA itself. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. Isoform 3 may be involved in cytoplasmic vesicle-based mRNA transport through interaction with synaptotagmins. Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation; seems not to be essential for GAIT complex function.
Other Notes	Small volumes of anti-SYNCRIP 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 SYNCRIP purchase	MBS8546661 is an antibody targeting SYNCRIP. Also known as SYNCRIP Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	228008396
NCBI Accession #	NP_001153145.1
UniProt Primary Accession #	O60506
GenBank Nucleotide #	NP_001153145.1
NCBI Official Full Name	heterogeneous nuclear ribonucleoprotein Q isoform 2
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein Q
UniProt Synonym Protein Names	Glycine- and tyrosine-rich RNA-binding protein; GRY-RBP; NS1-associated protein 1; Synaptotagmin-binding, cytoplasmic RNA-interacting protein
Protein Family	Heterogeneous nuclear ribonucleoprotein
UniProt Gene Name	SYNCRIP
UniProt Synonym Gene Names	HNRPQ; NSAP1; hnRNP Q; GRY-RBP
UniProt Entry Name	HNRPQ_HUMAN
UniProt Comments for SYNCRIP	NSAP1: a heterogeneous nuclear ribonucleoprotein (hnRNP) implicated in mRNA processing mechanisms. A component of the spliceosome. Five alternatively spliced isoforms have been described. Isoform 1, 2 and 3 are associated with pre-mRNA, splicing intermediates and mature mRNA protein complexes. Isoform 1 binds to apoB mRNA AU-rich sequences. Isoform 1 is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to ACF (APOBEC1 complementation factor), to APOBEC1 or to RNA itself. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. Isoform 3 may be involved in cytoplasmic vesicle-based mRNA transport through interaction with synaptotagmins. Protein type: RNA-binding; Motility/polarity/chemotaxis; RNA splicing; Spliceosome Chromosomal Location of Human Ortholog: 6q14-q15 Cellular Component: nucleoplasm; membrane; endoplasmic reticulum; nucleus; ribonucleoprotein complex Molecular Function: protein binding; RNA binding; nucleotide binding; poly(A) binding Biological Process: nuclear mRNA splicing, via spliceosome; osteoblast differentiation; RNA processing; viral reproduction; negative regulation of translation; RNA splicing
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