

Rabbit EXOSC3 Polyclonal Antibody | anti-EXOSC3 antibody

EXOSC3 Antibody

CATALOG # AAA323095	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

EXOSC3; Polyclonal Antibody; EXOSC3 Antibody; bA3J10.7; CGI 102; CGI-102; Exosome complex component RRP40; Exosome complex exonuclease RRP40; Exosome component 3; hRrp 40; hRrp-40; hRrp40; hRrp40p; p10; PCH1B; Ribosomal RNA processing protein 40; Ribosomal RNA-processing protein 40; S. cerevisiae; homolog of; RP11-3J10.8; RRP 40; Rrp40; Rrp40p; anti-EXOSC3 antibody

PRODUCT SPECIFICATIONS

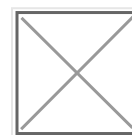
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EXOSC3 antibody detects endogenous levels of EXOSC3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	164
Applicable Applications for anti-EXOSC3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human EXOSC3.
Subcellular Location	Cytoplasm. Nucleus, Nucleolus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (91%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA323095 at 1/100 staining Human spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of A2780 cells, using EXOSC3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EXOSC3 antibody

Function: Non-catalytic component of the RNA exosome complex which has 3'→5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. The RNA exosome may be involved in Ig class switch recombination (CSR) and/or Ig variable region somatic hypermutation (SHM) by targeting AICDA deamination activity to transcribed dsDNA substrates. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. The catalytic inactive RNA exosome core complex of 9 subunits (Exo-9) is proposed to play a pivotal role in the binding and presentation of RNA for ribonucleolysis, and to serve as a scaffold for the association with catalytic subunits and accessory proteins or complexes. EXOSC3 as peripheral part of the Exo-9 complex stabilizes the hexameric ring of RNase PH-domain subunits through contacts with EXOSC9 and EXOSC5. Subunit Structure: Component of the RNA exosome complex. Specifically part of the catalytically inactive RNA exosome core (Exo-9) complex which is believed to associate with catalytic subunits EXOSC10, and DIS3 or DIS3L in cytoplasmic-and nuclear-specific RNA exosome complex forms. Exo-9 is formed by a hexameric ring of RNase PH domain-containing subunits specifically containing the heterodimers EXOSC4-EXOSC9, EXOSC5-EXOSC8 and EXOSC6-EXOSC7, and peripheral S1 domain-containing components EXOSC1, EXOSC2 and EXOSC3 located on the top of the ring structure. Interacts with GTPBP1. Interacts with ZC3HAV1. Interacts with DDX17 only in the presence of ZC3HAV1 in an RNA-independent manner. Similarity: Belongs to the RRP40 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50511939
NCBI GeneID	51010
NCBI Accession #	NP_001002269.1
NCBI GenBank Nucleotide #	NM_001002269.2
UniProt Accession #	Q9NQT5 ; Q5QP85 ; Q9Y3A8 ; A8K0K6
Molecular Weight	Observed: 31 kDa Predicted: 30 kDa
NCBI Official Full Name	exosome complex component RRP40 isoform 2
NCBI Official Synonym Full Names	exosome component 3
NCBI Official Symbol	EXOSC3
NCBI Official Synonym Symbols	p10; PCH1B; RRP40; Rrp40p; CGI-102; hRrp-40; bA3J10.7
NCBI Protein Information	exosome complex component RRP40
UniProt Protein Name	Exosome complex component RRP40
UniProt Gene Name	EXOSC3
UniProt Synonym Gene Names	RRP40

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/exosc3-antibody-immunohistochemistry-western-blot-elisa/323095>