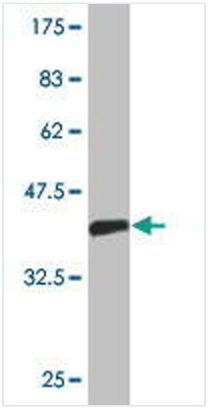
exosc5 Antibody – Mouse Monoclonal

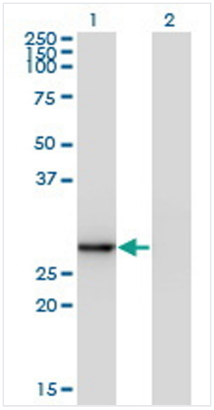
PRODUCT OVERVIEW

Product Name	EXOSC5, Monoclonal Antibody
Full Product Name	EXOSC5 (Exosome Complex Component RRP46, Chronic Myelogenous Leukemia Tumor Antigen 28, Exosome Component 5, Ribosomal RNA-processing Protein 46, p12B, CML28, RRP46, MGC111224, MGC12901)
Product Gene Name	anti-exosc5 antibody
Product Synonym Names	Anti -EXOSC5 (Exosome Complex Component RRP46, Chronic Myelogenous Leukemia Tumor Antigen 28, Exosome Component 5, Ribosomal RNA-processing Protein 46, p12B, CML28, RRP46, MGC111224, MGC12901)
Immunogen Sequence	MEEETHTDAK IRAENGTGSS PRGPGCSLRH FACEQNLLSR PDGSASFLQG DTSVLAGVYG PAEVKVSKEI FNKATLEVIL RPKIGLPGVA EKSRERLIRN
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1E11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human EXOSC5.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Chromosome Location	Chromosome: 18; NC_007129.5 (34400127..34405938, complement). Location: chromosome: 18
Immunogen	Partial recombinant corresponding to aa1-101 from human EXOSC5 (NP_064543) with GST tag. MW of the GST tag alone is 26kD.
Product Categories/Family for anti-exosc5 antibody	Antibodies; Abs to Ribosomal Proteins
Applications Tested/Suitable for anti-exosc5 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-exosc5 antibody	Suitable for use in ELISA and Western Blot.

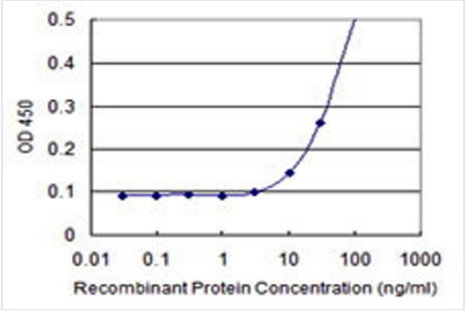
Related Product Information for anti-exosc5 antibody	Non-catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the nucleus, the RNA exosome complex is involved in proper maturation 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.
Other Notes	Small volumes of anti-exosc5 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 exosc5 purchase	MBS649502 is an antibody targeting exosc5. Also known as EXOSC5 (Exosome Complex Component RRP46, Chronic Myelogenous Leukemia Tumor Antigen 28, Exosome Component 5, Ribosomal RNA-processing Protein 46, p12B, CML28, RRP46, MGC111224, MGC12901). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-exosc5 antibody
Western Blot detection against Immunogen (37.11kD).



Western Blot (WB) of anti-exosc5 antibody
Western Blot analysis of EXOSC5 expression in transfected 293T cell line by EXOSC5 monoclonal antibody.|Lane 1: EXOSC5 transfected lysate (25.3kD).|Lane 2: Non-transfected lysate.



Testing Data of anti-exosc5 antibody
Detection limit for recombinant GST tagged EXOSC5 is 3ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for exosc5. It may not necessarily be applicable to this product.

NCBI GI #	391224436
NCBI GeneID	751632
NCBI Accession #	NP_001038817.2

GenBank Nucleotide #	NM_001045352.2
NCBI Official Full Name	exosome complex exonuclease RRP46
NCBI Official Synonym Full Names	exosome component 5
NCBI Official Symbol	exosc5
NCBI Official Synonym Symbols	zgc:153707; si:ch211-194n6.2
Protein Family	Exosome complex component
NCBI Protein Information	exosome complex exonuclease RRP46
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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