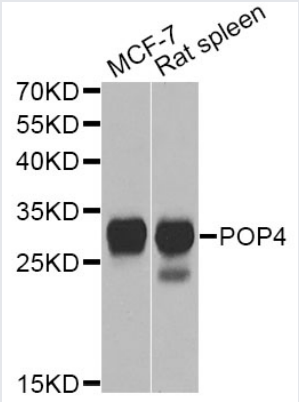
POP4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	POP4, Polyclonal Antibody
Full Product Name	POP4 Polyclonal Antibody
Product Gene Name	anti-POP4 antibody
Product Synonym Names	EC 3.1.26.5; hPOP4; processing of precursor 4; ribonuclease P/MRP family; (S. cerevisiae); Ribonuclease P protein subunit p29; RPP29
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Concentration	1 mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated: 25kDa Observed: 26kDa
3D Structure	ModBase 3D Structure for O95707
Immunogen	Recombinant protein of human POP4
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-POP4 antibody	Western Blot (WB)
Application Notes for anti-POP4 antibody	WB: 1:500-1:2000
Related Product Information for anti-POP4 antibody	This gene encodes one of the protein subunits of the small nucleolar ribonucleoprotein complexes: the endoribonuclease for mitochondrial RNA processing complex and the ribonuclease P complex. The encoded protein is localized to the nucleus and associates directly with the RNA component of these complexes. This protein is involved in processing of precursor RNAs. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-POP4 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 POP4 purchase	MBS2554623 is an antibody targeting POP4. Also known as POP4 Polyclonal Antibody. Reactive in Human, Rat. Host: Rabbit.



Western Blot (WB) of anti-POP4 antibody
Western blot analysis of extracts of various cell lines, using POP4 Antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POP4. It may not necessarily be applicable to this product.

NCBI GI #	5729986
NCBI GeneID	10775
NCBI Accession #	NP_006618.1
UniProt Primary Accession #	O95707
UniProt Secondary Accession #	Q5XKL7; Q6FHW9; Q9UQQ3
UniProt Related Accession #	O95707
GenBank Nucleotide #	NM_006627.3
NCBI Official Full Name	ribonuclease P protein subunit p29
NCBI Official Synonym Full Names	POP4 homolog, ribonuclease P/MRP subunit
NCBI Official Symbol	POP4
NCBI Official Synonym Symbols	RPP29
UniProt Protein Name	Ribonuclease P protein subunit p29
Protein Family	Ribonuclease P protein
UniProt Gene Name	POP4
UniProt Synonym Gene Names	RPP29; hPOP4
NCBI Protein Information	ribonuclease P protein subunit p29
UniProt Comments for POP4	Part of ribonuclease P, a protein complex that generates mature tRNA molecules by cleaving their 5'-ends. May function with RPP38 to coordinate the nucleolar targeting and/or assembly of RNase P.
Research Articles on POP4	**1.** Results demonstrate that Rpp29 promotes homology-directed repair of double-strand breaks. It is rapidly and transiently recruited to laser-microirradiated DNA sites.
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