

POP4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57839**Specification****POP4 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O95707
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human POP4
Epitope Specificity	81-180/220
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus; nucleolus.
SIMILARITY	Belongs to the eukaryotic/archaeal RNase P protein component 1 family.
SUBUNIT	Component of nuclear RNase P and RNase MRP ribonucleoproteins. RNase P consists of an RNA moiety and at least 8 protein subunits; POP1, RPP14, RPP20/POP7, RPP25, RPP29/POP4, RPP30, RPP38 and RPP40. RNase MRP consists of an RNA moiety and at least 9 protein subunits; POP1, RPP14, RPP20/POP7, RPP25, RPP29/POP4, RPP30, RPP38, RPP40, POP5 and RPP21. Interacts with RPP25 and POP5.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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. [provided by RefSeq, Mar 2009]

POP4 Polyclonal Antibody - Additional Information**Gene ID 10775**

Other Names

Ribonuclease P protein subunit p29, hPOP4, 3.1.26.5, POP4, RPP29

Dilution

IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

POP4 Polyclonal Antibody - Protein Information

Name POP4

Synonyms RPP29

Function

Component of ribonuclease P, a ribonucleoprotein complex that generates mature tRNA molecules by cleaving their 5'-ends.

Cellular Location

Nucleus, nucleolus.

POP4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

POP4 Polyclonal Antibody - Images