

TOE1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56970

Specification

TOE1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96GM8
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TOE1
Epitope Specificity	2-100/510
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. Nucleus speckle. Localizes to nuclear speckles.
SIMILARITY	Belongs to the CAF1 family. Contains 1 C3H1-type zinc finger.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

TOE1 is a 510 amino acid long protein that belongs to the CAF1 family. It is a downstream target of EGR-1 and plays an important role mediating the inhibitory growth effect of EGR-1. EGR-1 directly binds the TOE1 promoter region and activates its expression. TOE1 induces the expression of TGF β and p21 and plays a role in cell cycle regulation and the inhibition of cell growth. The activity and nucleolar localization of TOE1 correlates with a G2 cell cycle phase delay which is likely due to an increased expression of p21. In addition, TOE1 may function via an interaction with p53 and possible modification to its activity. TOE1 is expressed at various levels in all adult tissues and specifically localizes to the nuclear speckles.

TOE1 Polyclonal Antibody - Additional Information

Gene ID 114034

Other Names

Target of EGR1 protein 1, TOE1

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A

\>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

TOE1 Polyclonal Antibody - Protein Information

Name TOE1

Function

Inhibits cell growth rate and cell cycle. Induces CDKN1A expression as well as TGF-beta expression. Mediates the inhibitory growth effect of EGR1. Involved in the maturation of snRNAs and snRNA 3'-tail processing (PubMed:28092684).

Cellular Location

Nucleus, nucleolus. Nucleus speckle. Note=Localizes to nuclear speckles

Tissue Location

Widely expressed..

TOE1 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](#)

TOE1 Polyclonal Antibody - Images