

TOE1 Monoclonal antibody

Catalog Number: 67829-1-Ig

Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
67829-1-Ig	BC009364	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
150ul, Concentration: 1000 µg/ml by Nanodrop;	114034	2C10H7
Source:	Full Name:	Recommended Dilutions:
Mouse	target of EGR1, member 1 (nuclear)	WB 1:2000-1:10000
Isotype:	Calculated MW:	IHC 1:250-1:1000
IgG2a	510 aa, 57 kDa	IF 1:400-1:1600
Immunogen Catalog Number:	Observed MW:	
AG28982	57 kDa	

Applications

Tested Applications:	Positive Controls:
IF, IHC, WB, ELISA	WB : A549 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells
Species Specificity:	IHC : human colon cancer tissue,
Human	IF : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TOE1, also known as hCaf1z, belongs to the DEDD family of deadenylases. TOE1 was initially identified as a direct target gene of ERG1, an immediate early transcription factor. TOE1 encodes an Asp-Glu-Asp-Asp deadenylase that specifically localizes to Cajal bodies in the nucleus, where assembly and maturation of small nuclear ribonucleoprotein particles, and telomerase ribonucleoprotein complex take place (PMID: 36257135). TOE1 has 2 isoforms with the molecular mass of 48 and 57 kDa.

Storage

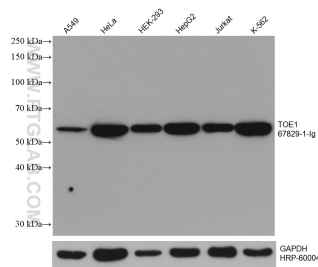
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

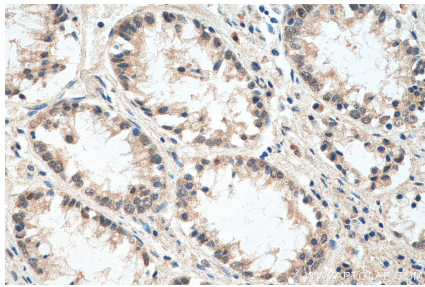
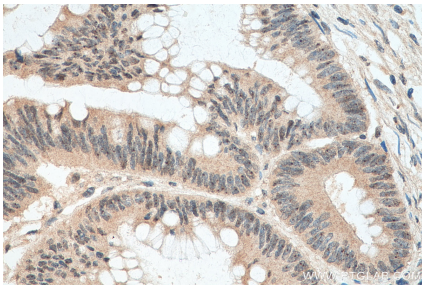
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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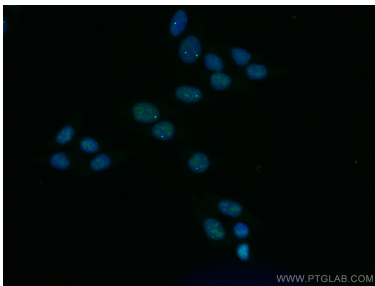
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67829-1-Ig (TOE1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67829-1-Ig (TOE1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TOE1 antibody (67829-1-Ig, Clone: 2C10H7) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).