

For Research Use Only

TOE1 Polyclonal antibody

Catalog Number: 30221-1-AP



Basic Information

Catalog Number: 30221-1-AP	GenBank Accession Number: BC009364	Purification Method: Antigen affinity purification
Size: 600 ug/ml	GeneID (NCBI): 114034	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: Q96GM8	IHC 1:300-1:1200
Isotype: IgG	Full Name: target of EGR1, member 1 (nuclear)	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG31470	Calculated MW: 510 aa, 57 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*)** Alternatively, antigen retrieval may be performed with **citrate buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells

IHC : human stomach cancer tissue,

IF/ICC : HeLa cells,

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

For technical support and original validation data for this product please contact:

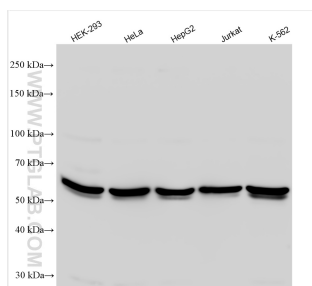
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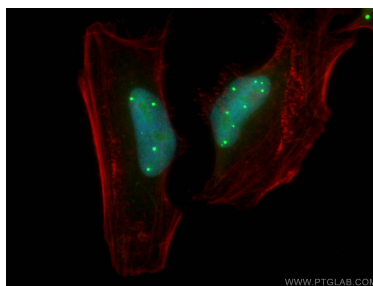
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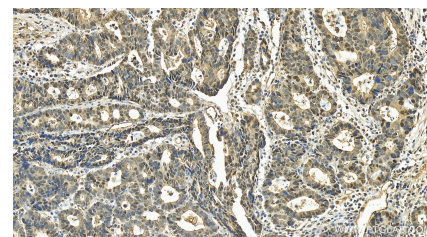
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30221-1-AP (TOE1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TOE1 antibody (30221-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 30221-1-AP (TOE1 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).