For Research Use Only

EI24 Polyclonal antibody

Catalog Number:20456-1-AP Featured Product 4 Publications

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Basic Information

Catalog Number:
20456-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14169

GenBank Accession Number:
BC002390

GeneID (NCBI):
9538

UNIPROT ID:
O14681

Full Name:
etoposide induced 2.4 mRNA

Calculated MW:
340 aa, 39 kDa

Observed MW:
40-45 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human

Cited Species:
human, mouse

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 : K-562 cells, HT-1080 cells, HeLa cells, L02 cells

IHC : human colon cancer tissue,

Background Information

Ei24 is an ER-localized protein originally identified as a p53-induced proapoptotic gene in etoposide-treated NIH3T3 cells. It has been shown to be able to bind to the antiapoptotic protein Bcl-2 (PMID: 15781622), play a role in autophagy (PMID: 23074225), and induce proliferate arrest/apoptosis (PMID: 10594026). Ei24 can bind specifically to IMP β 1 and IMP α 2 to impede their normal role in nuclear import (PMID: 24821838).

Notable Publications

Author	Pubmed ID	Journal	Application
Yue Shi	34800978	BMC Cancer	WB
Fan Li	34801707	Int J Biochem Cell Biol	WB,IHC,IF
Jiagui Zhang	41799933	MedComm (2020)	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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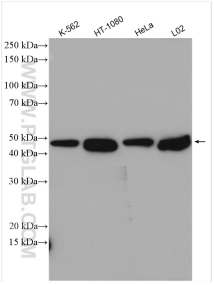
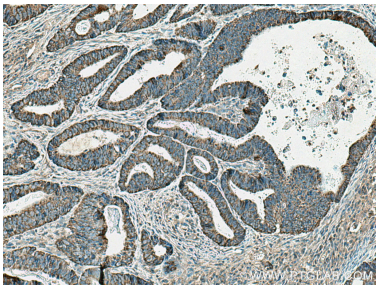
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20456-1-AP (EI24 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20456-1-AP (EI24 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).