

For Research Use Only

# Ei24 Polyclonal antibody

Catalog Number:20456-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 20456-1-AP	<b>GenBank Accession Number:</b> BC002390	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 ug/ml by Nanodrop and 173 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9538	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O14681	
<b>Isotype:</b> IgG	<b>Full Name:</b> etoposide induced 2.4 mRNA	
<b>Immunogen Catalog Number:</b> AG14169	<b>Calculated MW:</b> 340 aa, 39 kDa	
	<b>Observed MW:</b> 40-45 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : K-562 cells, HT-1080 cells, HeLa cells, L02 cells IHC : human colon cancer tissue,
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 IMPβ1 and IMPα2 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
Wanli Yang	37086389	Expert Rev Mol Diagn	WB,IHC

## Storage

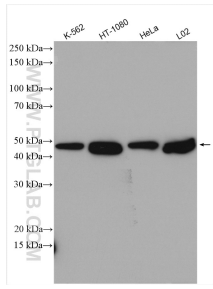
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

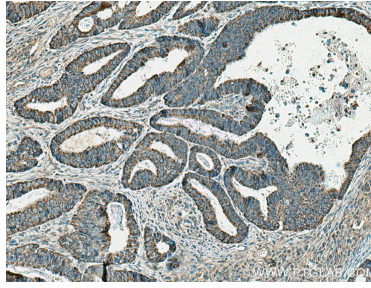
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 (E124 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 (E124 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).