For Research Use Only

ID3 Polyclonal antibody

Catalog Number:10389-1-AP Featured Product 4 Publications

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Basic Information

Catalog Number:
10389-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0588

GenBank Accession Number:
BC003107

GeneID (NCBI):
3399

UNIPROT ID:
Q02535

Full Name:
inhibitor of DNA binding 3, dominant negative helix-loop-helix protein

Calculated MW:
119 aa, 13 kDa

Observed MW:
13 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mink, mouse

Positive Controls:

WB : HeLa cells, Transfected HEK-293 cells

Background Information

The helix-loop-helix (HLH) family of transcription factors plays a central role in the regulation of cell growth, differentiation and tumourigenesis. Members of the Id (inhibitor of DNA binding) class of these nuclear proteins are able to heterodimerise with and thereby antagonise the functions of other transcription factors of this family. Inhibitor of DNA binding 3, dominant negative helix-loop-helix protein (ID3, synonym: HEIR-1) is a member of the ID family of HLH proteins, which lacks a basic DNA-binding domain and inhibits transcription through formation of nonfunctional dimers that are incapable of binding to DNA.

Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Li	35625884	Biomedicines	WB
Xi Chen	27906182	Cell Death Dis	WB
Zhuo Wang	32304761	Life Sci	WB

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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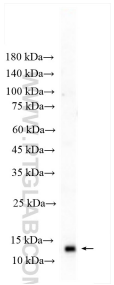
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 10389-1-AP (ID3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.