For Research Use Only

TDRD3 Polyclonal antibody

Catalog Number:13359-1-AP Featured Product 2 Publications

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Basic Information

Catalog Number:
13359-1-AP

Size:
150ul , Concentration: 700 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4174

GenBank Accession Number:
BC030514

GeneID (NCBI):
81550

UNIPROT ID:
Q9H7E2

Full Name:
tudor domain containing 3

Calculated MW:
651 aa, 73 kDa

Observed MW:
73 kDa, 83 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF/ICC 1:10-1:100

Applications

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

Cited Applications:
WB, chIP

Species Specificity:
human, mouse, rat

Cited Species:
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,

IP : HeLa cells,

IHC : mouse brain tissue,

IF/ICC : HeLa cells,

Background Information

TDRD3 (Tudor domain-containing protein 3) contains tudor domain which is an approximately 60-amino acid structure motif. TDRD3 functions as a scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. TDRD3 is a transcriptional coactivator that promotes transcription by binding methylarginine marks on histone tails. TDRD3 also possesses an oligosaccharide/nucleotide binding fold and an ubiquitin associated domain capable of binding tetra-ubiquitin, and it is reported to associate with polyribosomes in HeLa cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Bing-Ling Peng	32206101	Theranostics	chIP
Mengtong Qin	39097054	Int J Biol Macromol	WB

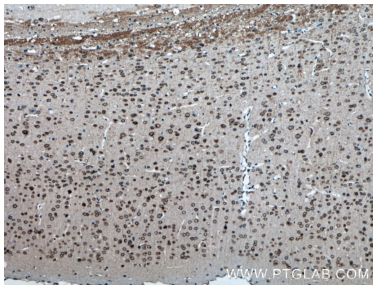
Storage

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

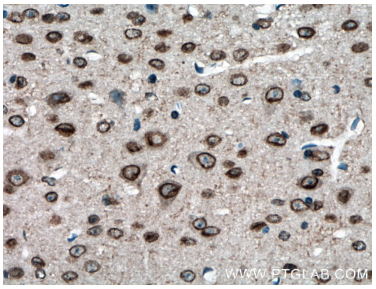
*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

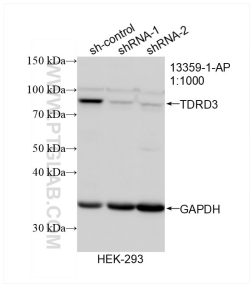
Selected Validation Data



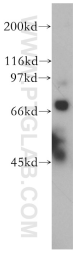
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13359-1-AP (TDRD3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



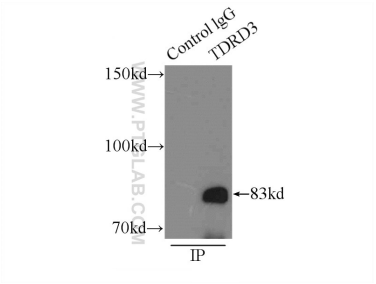
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13359-1-AP (TDRD3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



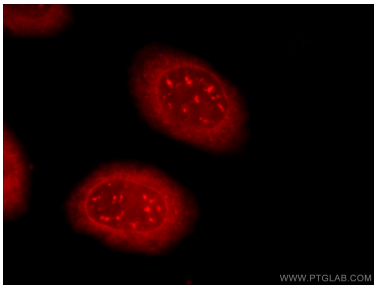
WB result of TDRD3 antibody (13359-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TDRD3 transfected HEK-293 cells.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 13359-1-AP (TDRD3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-TDRD3 (IP:13359-1-AP, 3ug; Detection:13359-1-AP 1:1000) with HeLa cells lysate 3800ug.



Immunofluorescent analysis of HeLa cells using 13359-1-AP (TDRD3 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.