

TAOK3 Polyclonal ANTIBODY

Catalog Number: 10158-2-AP

Basic Information

Catalog Number:
10158-2-AP

Size:
26 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0211

GenBank Accession Number:
BC002756

GeneID (NCBI):
51347

Full Name:
TAO kinase 3

Calculated MW:
105 kDa

Observed MW:
100-105 kDa

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:100-1:400

Applications

Tested Applications:

IHC, IP, WB, ELISA

Species Specificity:
human,mouse,rat

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

Positive Controls:

WB : human liver tissue; HeLa cells, HepG2 cells, human brain tissue

IP : HepG2 cells;

IHC : human liver tissue;

Background Information

TAOK3(Serine/threonine-protein kinase TAO3) is also named as DPK, JIK, KDS, MAP3K18 and belongs to the STE Ser/Thr protein kinase family. It acts as an activator of the p38/MAPK14 stress-activated MAPK cascade. In response to DNA damage, it is involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of upstream MAP2K3 and MAP2K6 kinases. And this protein can be autophosphorylated(PMD:20949042).

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

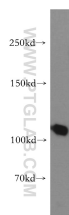
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

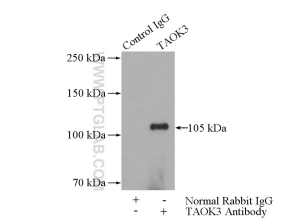
E: proteintech@ptglab.com
W: ptglab.com

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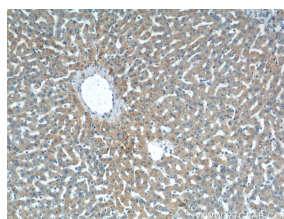
Selected Validation Data



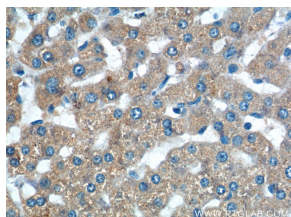
human liver tissue were subjected to SDS PAGE followed by western blot with 10158-2-AP(TACK3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours



IP Result of anti-TACK3 (IP:10158-2-AP, 4ug; Detection:10158-2-AP 1:700) with HepG2 cells lysate 3600ug.



Immunohistochemistry of paraffin-embedded human liver tissue slide using 10158-2-AP(TACK3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human liver tissue slide using 10158-2-AP(TACK3 Antibody) at dilution of 1:200 (under 40x lens).