

# TAOK3 Polyclonal antibody

Catalog Number: 10158-2-AP

Featured Product

3 Publications

## Basic Information

## Catalog Number:

10158-2-AP

## Size:

150ul, Concentration: 260 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG0211

## GenBank Accession Number:

BC002756

## GeneID (NCBI):

51347

## UNIPROT ID:

Q9H2K8

## Full Name:

TAO kinase 3

## Calculated MW:

105 kDa

## Observed MW:

100-105 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

## Applications

## Tested Applications:

WB, IP, IHC, ELISA

## Cited Applications:

WB, IP

## Species Specificity:

human, mouse, rat

## 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 : 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(PMID:20949042).

## Notable Publications

Author	Pubmed ID	Journal	Application
Tsung-Ching Lai	33087151	Cell Commun Signal	WB
Mengqiu Song	38376345	Mol Carcinog	WB
Alexandre Poirier	38166031	Sci Signal	IP

## 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

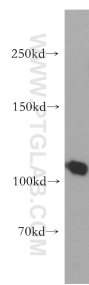
For technical support and original validation data for this product please contact:

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

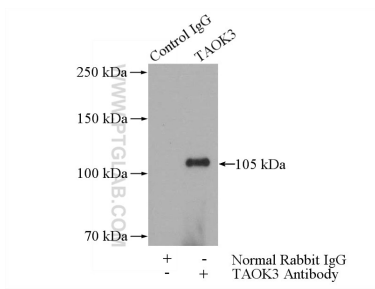
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

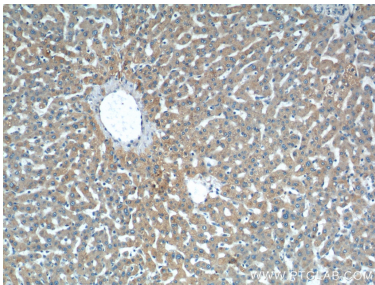
Selected Validation Data



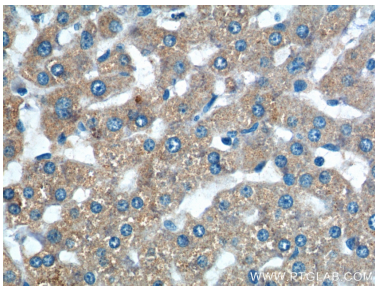
human liver tissue were subjected to SDS PAGE followed by western blot with 10158-2-AP (TAOK3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-TAOK3 (IP:10158-2-AP, 4ug; Detection:10158-2-AP 1:700) with HepG2 cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10158-2-AP (TAOK3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10158-2-AP (TAOK3 Antibody) at dilution of 1:200 (under 40x lens).