

For Research Use Only

TAOK2 Polyclonal antibody

Catalog Number: 21188-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 21188-1-AP	GenBank Accession Number: BC142663	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 260 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9344	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:50-1:500
Source: Rabbit	Full Name: TAO kinase 2	
Isotype: IgG	Calculated MW: 1235 aa, 138 kDa	
Immunogen Catalog Number: AG15521	Observed MW: 138-150 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB: mouse brain tissue, HEK-293 cells, L02 cells IP: HEK-293 cells, IHC: human liver cancer tissue,
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, monkey	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TAOK2(Serine/threonine-protein kinase TAO2) is also named as KIAA0881, MAP3K17, PSK, PSK1 and belongs to the protein kinase superfamily. TAOK2 is known to modulate gene transcription via its activation of several MAP kinase pathways, including c-Jun amino-terminal kinase (JNK), and has been implicated in the modulation of actin and microtubule dynamics. The time course of TAOK2 expression is consistent with a role for it in neuronal differentiation.(PMID:22735514). The immunogen of this antibody is 742-969 aa of human TAOK2 protein isoform Alpha. This antibody mainly detects the isoform 1/3/4. It can't detect the isoform 2.

Notable Publications

Author	Pubmed ID	Journal	Application
Caterina Giacomini	29730992	Acta Neuropathol Commun	WB,IF
Ritu Garg	32041905	J Cell Sci	WB
Chuay-Yeng Koo	28830982	Mol Cancer Ther	WB,IF

Storage

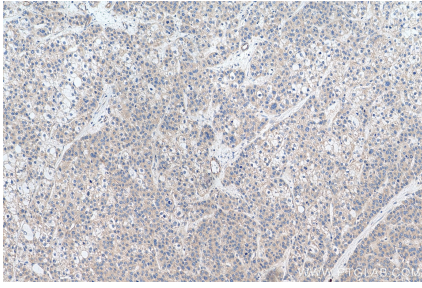
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

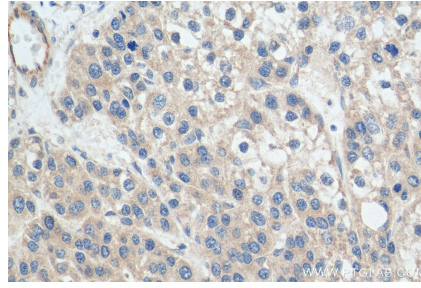
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

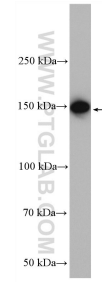
Selected Validation Data



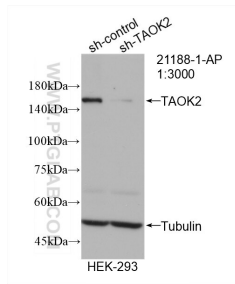
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21188-1-AP (TAOK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



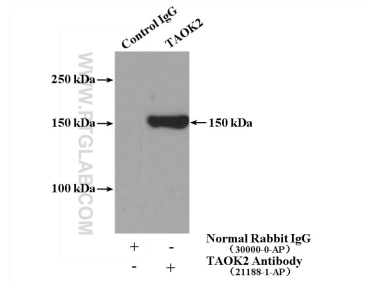
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21188-1-AP (TAOK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 21188-1-AP (TAOK2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of TAOK2 antibody (21188-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-control and sh-TAOK2 transfected HEK-293 cells.



IP Result of anti-TAOK2 (IP:21188-1-AP, 4ug; Detection:21188-1-AP 1:500) with HEK-293 cells lysate 3000ug.