

For Research Use Only

TAOK2 Polyclonal antibody

Catalog Number: 21188-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

21188-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15521

GenBank Accession Number:

BC142663

GeneID (NCBI):

9344

UNIPROT ID:

Q9UL54

Full Name:

TAO kinase 2

Calculated MW:

1235 aa, 138 kDa

Observed MW:

138-150 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

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, Monkey

Positive Controls:

WB : mouse brain tissue, HEK-293 cells, L02 cells

IP : HEK-293 cells,

IHC : human liver cancer tissue,

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

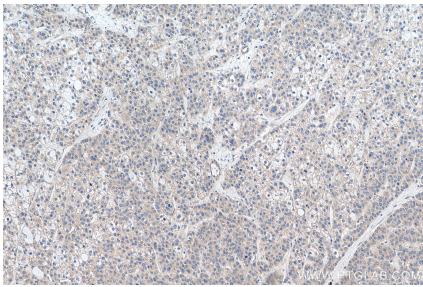
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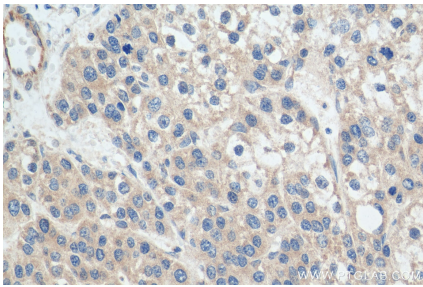
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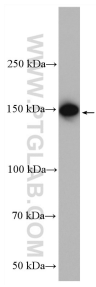
Selected Validation Data



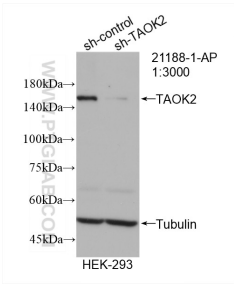
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21188-1-AP (TAOK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



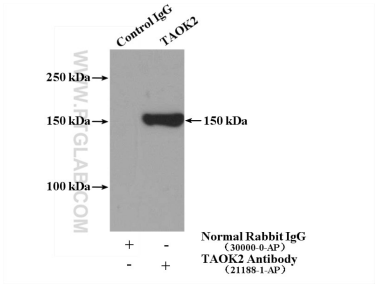
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21188-1-AP (TAOK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.