

For Research Use Only

TAOK1 Polyclonal antibody

Catalog Number: 26250-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 26250-1-AP	GenBank Accession Number: BC133039	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 57551	Recommended Dilutions: WB 1:500-1:1000 IHC 1:100-1:500 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q7L7X3	
Isotype: IgG	Full Name: TAO kinase 1	
Immunogen Catalog Number: AG22461	Calculated MW: 1001 aa, 116 kDa	
	Observed MW: 116 kDa	

Applications

Tested Applications: WB, IF/ICC, IHC, ELISA	Positive Controls: WB : HeLa cells, mouse testis tissue
Cited Applications: WB, IF, IHC	IHC : human liver tissue,
Species Specificity: human, mouse	IF/ICC : HeLa cells,
Cited Species: human, mouse, 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

Thousand and one kinase 1 (TAOK1), also known as prostate-derived sterile 20 (Ste20)-like kinase 2, TAO1 (thousand and one amino-acid protein 1) or MARKK, is a member of the MAP3K protein kinase and belongs to the germinal-center kinase-like class of sterile 20 (Ste20)-like kinases (PMID: 29400705). TAOK1 is involved in mammalian brain development and functions as a negative regulator in IL-17-mediated signaling and inflammation (PMID: 33565190). TAOK1 has a calculated molecular mass of 116 kDa and encodes a serine/threonine protein kinase at its N terminus.

Notable Publications

Author	Pubmed ID	Journal	Application
Caterina Giacomini	29730992	Acta Neuropathol Commun	WB,IF
Ritu Garg	32041905	J Cell Sci	WB
Neal Beeman	36595571	Sci Signal	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

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

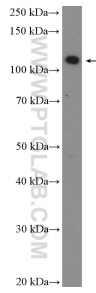
T: 4006900926

E: Proteintech-CN@ptglab.com

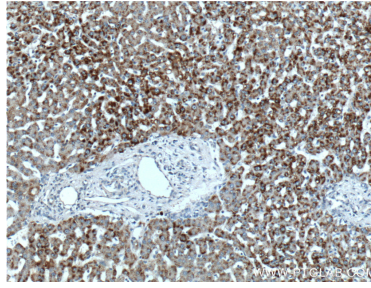
W: ptgcn.com

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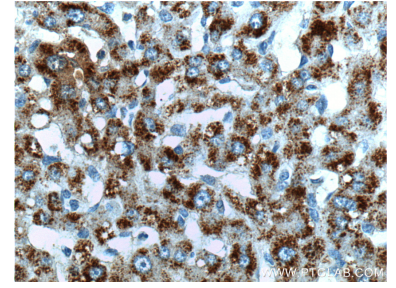
Selected Validation Data



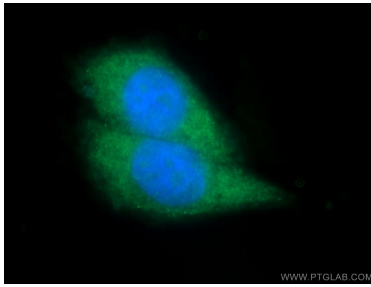
HeLa cells were subjected to SDS PAGE followed by western blot with 26250-1-AP (TAOK1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26250-1-AP (TAOK1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26250-1-AP (TAOK1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 26250-1-AP (TAOK1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).