

For Research Use Only

USP4 Polyclonal antibody

Catalog Number:24976-1-AP



Basic Information

Catalog Number: 24976-1-AP	GenBank Accession Number: BC125131	Purification Method: Antigen affinity purification
Size: 300 ug/ml	GeneID (NCBI): 7375	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q13107	
Isotype: IgG	Full Name: ubiquitin specific peptidase 4 (proto-oncogene)	
Immunogen Catalog Number: AG21684	Calculated MW: 963 aa, 109 kDa	
	Observed MW: 109 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : THP-1 cells, IHC : human ovary cancer tissue,
Species Specificity: human	
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

USP4, also known as UNP and UNPH, belongs to the peptidase C19 family and USP4 subfamily. USP4 is a deubiquitinating enzyme that links to mitogen-activated protein kinase signaling, pre-mRNA splicing, and control of p53 stability (PMID: 26455393). USP4 has 3 isoforms with the molecular mass of 36, 104 and 109 kDa. Recently, it has been reported that USP4 is a critical factor in promoting lung cancer stemness and potentially useful lung cancer prognosis marker (PMID: 32549341).

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:

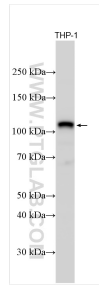
T: 4006900926

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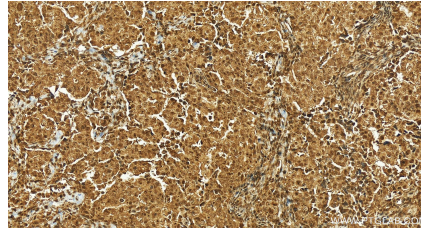
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Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 24976-1-AP (USP4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 24976-1-AP (USP4 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).