

For Research Use Only

OTUB1 Polyclonal antibody

Catalog Number: 10573-1-AP **2 Publications**



Basic Information

Catalog Number: 10573-1-AP	GenBank Accession Number: BC007519	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 55611	Recommended Dilutions: WB 1:500-1:3000 IF 1:200-1:800
Source: Rabbit	UNIPROT ID: Q96FW1	
Isotype: IgG	Full Name: OTU domain, ubiquitin aldehyde binding 1	
Immunogen Catalog Number: AG0845	Calculated MW: 31 kDa and 35 kDa	
	Observed MW: 31-35 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : MCF-7 cells, HepG2 cells, mouse brain tissue, mouse cerebellum tissue, rat brain tissue
Cited Applications: WB	IF : U2OS cells,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

OTUB1 belongs to the ovarian tumor domain protease (OTU) subfamily of deubiquitinases, which could block ubiquitination leading to protein stability. OTUB1 mainly prefers k-48 and k-63 ubiquitin chains type, especially in k-48 ubiquitin chain. OTUB1 performs its deubiquitinating function via two distinct manners: the canonical and non-canonical manner. OTUB1 is involved in many critical immune response processes, containing CD8 T cell activation, PD-L1 related immune evasion, and several infectious diseases. OTUB1 plays an important role in the occurrence, proliferation, invasion, and progression of various cancers, such as bladder cancer, breast cancer, prostate cancer, and colorectal cancer (PMID: 34875341, 35296795). OTUB1 has 2 isoforms with molecular weights of 31 and 35 kDa, respectively. With phospho or ubiquitin modification or reaction, the MW of OTUB1 will be increased.

Notable Publications

Author	Pubmed ID	Journal	Application
Cyriel S Olie	30739015	iScience	WB
Hongyue Li	38230274	ACS Pharmacol Transl Sci	WB

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:

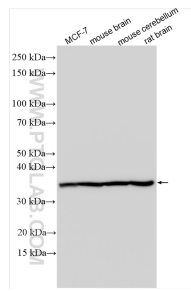
T: 4006900926

E: Proteintech-CN@ptglab.com

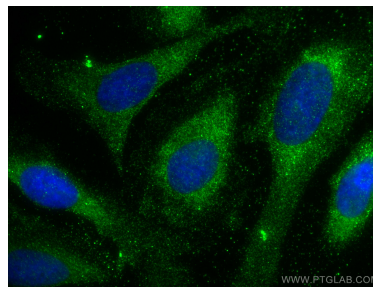
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10573-1-AP (OTUB1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using OTUB1 antibody (10573-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).