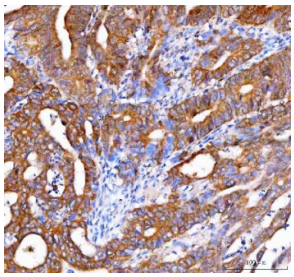
OTUB1 Antibody / Ubiquitin thioesterase OTUB1 (RQ8592)

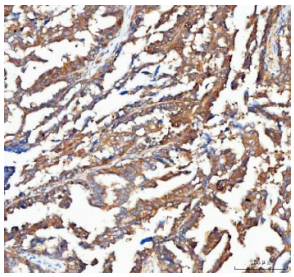
Catalog No.	Formulation	Size
RQ8592	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

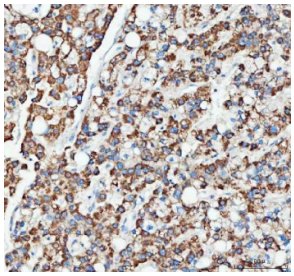
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96FW1
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This OTUB1 antibody is available for research use only.



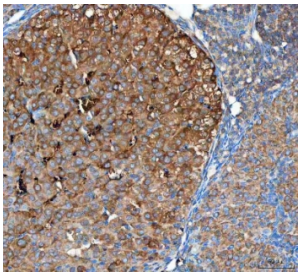
IHC staining of FFPE human rectum adenocarcinoma tissue with OTUB1 antibody.
HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



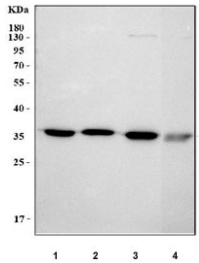
IHC staining of FFPE human ovarian cancer tissue with OTUB1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



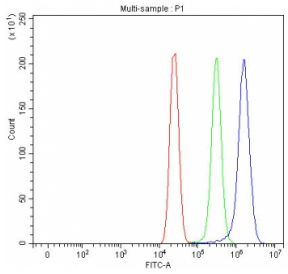
IHC staining of FFPE human liver cancer tissue with OTUB1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse ovary tissue with OTUB1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human MCF7, 3) rat brain and 4) mouse brain tissue lysate with OTUB1 antibody. Predicted molecular weight ~31 kDa and ~35 kDa (two isoforms).



Flow cytometry testing of fixed and permeabilized human MCF7 cells with OTUB1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= OTUB1 antibody.

Description

Ubiquitin thioesterase OTUB1 also known as otubain-1 is an enzyme that in humans is encoded by the OTUB1 gene. The product of this gene is a member of the OTU (ovarian tumor) superfamily of predicted cysteine proteases. The encoded protein is a highly specific ubiquitin iso-peptidase, and cleaves ubiquitin from branched poly-ubiquitin chains but not from ubiquitinated substrates. It interacts with another ubiquitin protease and an E3 ubiquitin ligase that inhibits cytokine gene transcription in the immune system. It is proposed to function in specific ubiquitin-dependent pathways, possibly by providing an editing function for polyubiquitin chain growth. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the OTUB1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids K10-K271) was used as the immunogen for the OTUB1 antibody.

Storage

After reconstitution, the OTUB1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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