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OTU7B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14281b

Specification

OTU7B Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q6GQQ9
Other Accession	B2RUR8, NP_064590.2
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**92526**
Antigen Region	**757-784**

OTU7B Antibody (C-term) - Additional Information

Gene ID 56957

Other Names
OTU domain-containing protein 7B, Cellular zinc finger anti-NF-kappa-B protein, Zinc finger A20 domain-containing protein 1, Zinc finger protein Cezanne, OTUD7B, ZA20D1

Target/Specificity
This OTU7B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 757-784 amino acids from the C-terminal region of human OTU7B.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
OTU7B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OTU7B Antibody (C-term) - Protein Information

Name OTUD7B

Synonyms ZA20D1

Function Negative regulator of the non-canonical NF-kappa-B pathway that acts by mediating deubiquitination of TRAF3, an inhibitor of the NF-kappa-B pathway, thereby acting as a negative regulator of B-cell responses. In response to non-canonical NF-kappa-B stimuli, deubiquitinates 'Lys-48'-linked polyubiquitin chains of TRAF3, preventing TRAF3 proteolysis and over-activation of non-canonical NF- kappa-B. Negatively regulates mucosal immunity against infections (By similarity). Deubiquitinates ZAP70, and thereby regulates T cell receptor (TCR) signaling that leads to the activation of NF-kappa-B (PubMed:26903241). Plays a role in T cell homeostasis and is required for normal T cell responses, including production of IFNG and IL2 (By similarity). Mediates deubiquitination of EGFR (PubMed:22179831). Has deubiquitinating activity toward 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitin chains (PubMed:27732584). Has a much higher catalytic rate with 'Lys-11'-linked polyubiquitin chains (in vitro); however the physiological significance of these data are unsure (PubMed:27732584). Hydrolyzes both linear and branched forms of polyubiquitin.

Cellular Location
Cytoplasm. Nucleus Note=Shuttles be cytoplasm and the nucleus in a XPO1/CRM1-dependent manner.

Tissue Location
Widely expressed. Abundant in kidney, heart and fetal liver. Expressed differentially among B-cells at distinct developmental stages. Higher expression seen in primary immature B- cells as compared to the mature cells.

OTU7B Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OTU7B Antibody (C-term) - Images

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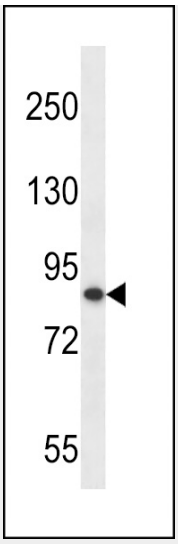
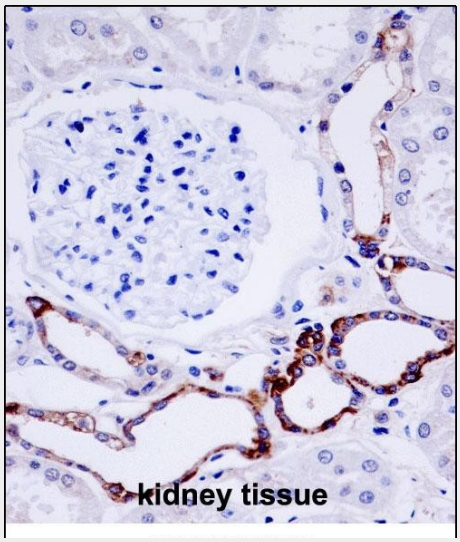


OTU7B Antibody (C-term) (Cat. #AP14281b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the OTU7B antibody detected the OTU7B protein (arrow).



OTU7B Antibody (C-term) (AP14281b)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of OTU7B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

OTU7B Antibody (C-term) - Background

OTU7B has deubiquitinating activity that is directed towards 'Lys-48' or 'Lys-63'-linked polyubiquitin chains. Hydrolyzes both linear and branched forms of polyubiquitin. Negative regulator of nuclear factor NF-kappa-B.

OTU7B Antibody (C-term) - References

Bremm, A., et al. Nat. Struct. Mol. Biol. 17(8):939-947(2010)
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