10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

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	O6GQQ9
Other Accession	B2RUR8, NP_064590.2
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**92526**
Antigen Region	**757-784**

OTU7B Antibody (C-term) - Additional Information

Gene ID 56957

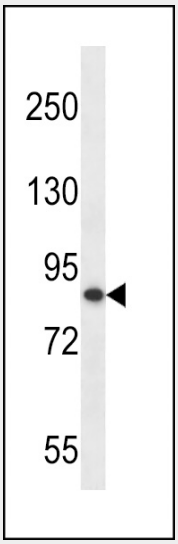
Other Names
OTU domain-containing protein 7B, Cellular zinc finger anti-NF-kappa-B protein, Zinc finger A20 domain-containing protein 1, Zinc finger protein Cezanne, OTUD7B, ZA20D1

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.

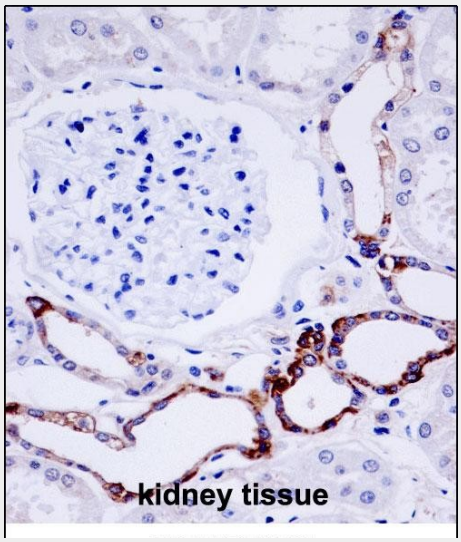
Dilution
WB~~1:1000
IHC-P~~1:10~50

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



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

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

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)
Jin, Z., et al. Cell 137(4):721-735(2009)
Enesa, K., et al. J. Biol. Chem. 283(27):18582-18590(2008)
Bohgaki, M., et al. Biochim. Biophys. Acta 1783(5):826-837(2008)
Enesa, K., et al. J. Biol. Chem. 283(11):7036-7045(2008)

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