

Rabbit OTUD7B Polyclonal Antibody | anti-OTUD7B antibody

OTUD7B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323042	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

OTUD7B; Polyclonal Antibody; OTUD7B Antibody; Cellular zinc finger anti NF kappa B protein; Cellular zinc finger anti-NF-kappa-B protein; CEZANNE; HGNC:16683; OTU domain containing protein 7B; OTU domain-containing protein 7B; OTU7B_HUMAN; ZA20D1; Zinc finger A20 domain containing protein 1; Zinc finger A20 domain-containing protein 1; Zinc finger protein Cezanne; anti-OTUD7B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	OTUD7B antibody detects endogenous levels of OTUD7B.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	843
Applicable Applications for anti-OTUD7B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human OTUD7B.
Subcellular Location	Cytoplasm. Nucleus.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Dog
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA323042 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Jurkat cells, using OTUD7B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-OTUD7B antibody	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. Subunit Structure: Interacts with ZAP70 in activated T cells, but not in resting T cells (PubMed:26903241). Interacts with TRAF3 (By similarity). Interacts with TRAF6 (PubMed:11463333). Interacts with PARK7, leading to inhibit deubiquitinase activity (PubMed:21097510). Interacts with EGFR, ITCH and NEDD4 (PubMed:22179831). Post-translational Modifications: Phosphorylated by EGFR. Similarity: The protein undergoes a significant conformation change upon binding to ubiquitinated substrates. The loop that precedes the active site is in an autoinhibitory conformation in the apoprotein. Ubiquitin binding leads to a conformation change; the loop is stabilized in a catalytically competent conformation with the result that the active site Cys can form the reaction state intermediate. Belongs to the peptidase C64 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118026942
NCBI GeneID	56957
NCBI Accession #	NP_064590.2
NCBI GenBank Nucleotide #	NM_020205.3
UniProt Accession #	Q6GQQ9; Q5SZ60; Q8WWA7; Q9NQ53; Q9UFF4; B7Z643; D3DUZ8
Molecular Weight	Observed: 100 kDa Predicted: 93 kDa
NCBI Official Full Name	OTU domain-containing protein 7B
NCBI Official Synonym Full Names	OTU deubiquitinase 7B
NCBI Official Symbol	OTUD7B
NCBI Official Synonym Symbols	ZA20D1; CEZANNE
NCBI Protein Information	OTU domain-containing protein 7B
UniProt Protein Name	OTU domain-containing protein 7B
UniProt Gene Name	OTUD7B
UniProt Synonym Gene Names	ZA20D1; Cezanne3 PublicationsManual assertion based on opinion iniRef.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/otud7b-antibody-immunohistochemistry-western-blot-elisa/323042>