

OTUD7B / Cezanne Antibody (clone 2B4)
Mouse Monoclonal Antibody
Catalog # ALS14334**Specification****OTUD7B / Cezanne Antibody (clone 2B4) - Product Information**

Application	IHC
Primary Accession	O6G009
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	93kDa KDa

OTUD7B / Cezanne Antibody (clone 2B4) - Additional Information**Gene ID** 56957**Other Names**

OTU domain-containing protein 7B, 3.4.19.12, Cellular zinc finger anti-NF-kappa-B protein, Zinc finger A20 domain-containing protein 1, Zinc finger protein Cezanne, OTUD7B, ZA20D1

Target/Specificity

Human OTUD7B

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

OTUD7B / Cezanne Antibody (clone 2B4) is for research use only and not for use in diagnostic or therapeutic procedures.

OTUD7B / Cezanne Antibody (clone 2B4) - 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).

target="_blank">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

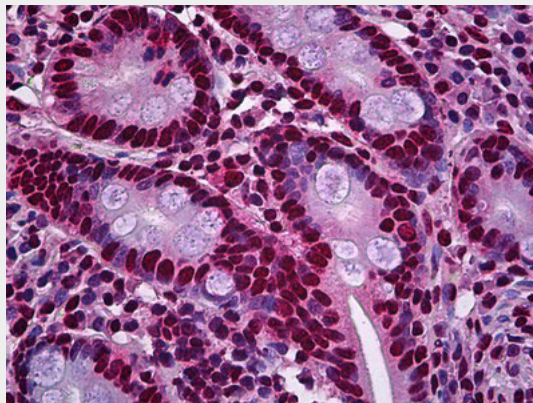
Widely expressed. Abundant in kidney, heart and fetal liver. Expressed differentially among B-cells at distinct developmental stages. Higher expression seen in primary immature B- cells as compared to the mature cells.

OTUD7B / Cezanne Antibody (clone 2B4) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

OTUD7B / Cezanne Antibody (clone 2B4) - Images



Anti-OTUD7B antibody IHC of human small intestine.

OTUD7B / Cezanne Antibody (clone 2B4) - Background

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. Mediates deubiquitination of EGFR. Has deubiquitinating activity toward 'Lys-11', 'Lys-48' or 'Lys-63'- linked

polyubiquitin chains. In vitro, has preference for 'Lys- 11'-linked polyubiquitin chains; however such data are unsure in vivo. Hydrolyzes both linear and branched forms of polyubiquitin.

OTUD7B / Cezanne Antibody (clone 2B4) - References

Evans P.C.,et al.Biochem. J. 357:617-623(2001).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Gregory S.G.,et al.Nature 441:315-321(2006).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Bechtel S.,et al.BMC Genomics 8:399-399(2007).