

OTUD4 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13740**Specification**

OTUD4 Antibody (C-Terminus) - Product Information

Application	ICC, IF, IHC
Primary Accession	Q01804
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	124kDa KDa

OTUD4 Antibody (C-Terminus) - Additional Information**Gene ID** 54726**Other Names**

OTU domain-containing protein 4, 3.4.19.12, HIV-1-induced protein HIN-1, OTUD4, HIN1, KIAA1046

Target/Specificity

Human OTUD4

Reconstitution & Storage

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

Precautions

OTUD4 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

OTUD4 Antibody (C-Terminus) - Protein Information**Name** OTUD4 ([HGNC:24949](#))**Function**

Deubiquitinase which hydrolyzes the isopeptide bond between the ubiquitin C-terminus and the lysine epsilon-amino group of the target protein (PubMed:23827681, PubMed:25944111, PubMed:29395066). May negatively regulate inflammatory and pathogen recognition signaling in innate immune response. Upon phosphorylation at Ser-202 and Ser-204 residues, via IL-1 receptor and Toll-like receptor signaling pathway, specifically deubiquitinates 'Lys-63'-polyubiquitinated MYD88 adapter protein triggering down-regulation of NF-kappa-B-dependent transcription of inflammatory mediators (PubMed:29395066). Independently of the catalytic activity, acts as a scaffold for alternative deubiquitinases to assemble specific deubiquitinase- substrate complexes. Associates with USP7 and USP9X deubiquitinases to stabilize alkylation repair enzyme ALKBH3, thereby promoting the repair of

alkylated DNA lesions (PubMed:25944111).

Cellular Location

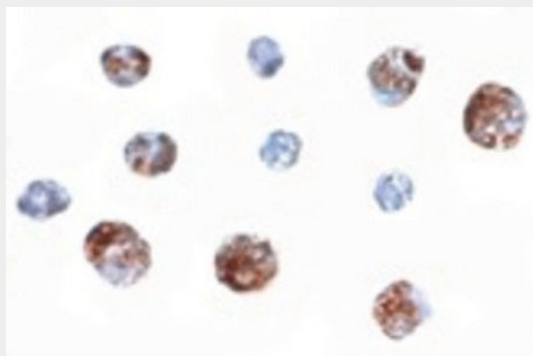
Cytoplasm. Nucleus. Note=Primarily cytoplasmic

OTUD4 Antibody (C-Terminus) - Protocols

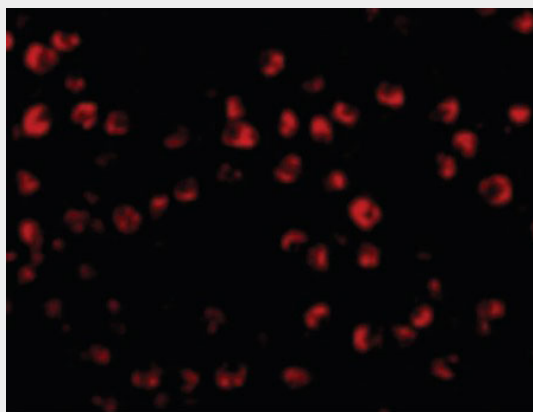
Provided below are standard protocols that you may find useful for product applications.

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

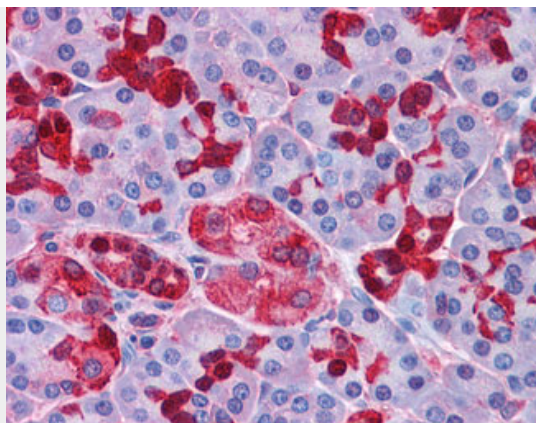
OTUD4 Antibody (C-Terminus) - Images



Immunocytochemistry of OTUD4 in Daudi cells with OTUD4 antibody at 2.5 ug/ml.



Immunofluorescence of OTUD4 in Daudi cells with OTUD4 antibody at 20 ug/ml.



Anti-OTUD4 antibody IHC of human pancreas.

OTUD4 Antibody (C-Terminus) - Background

Deubiquitinating enzyme that specifically hydrolyzes 'Lys-48'-linked polyubiquitin.

OTUD4 Antibody (C-Terminus) - References

- Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Raineri I.,et al.Nucleic Acids Res. 20:6261-6266(1992).
Bienvenut W.V.,et al.Submitted (JUL-2007) to UniProtKB.