

OTUD4 Antibody (C-Term, near)
Peptide-affinity purified goat antibody
Catalog # AF2893a**Specification**

OTUD4 Antibody (C-Term, near) - Product Information

Application	E
Primary Accession	Q01804
Other Accession	NP_955356.1 , NP_001096123.1 , 54726 , 73945 (mouse), 307774 (rat)
Predicted	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	124045

OTUD4 Antibody (C-Term, near) - 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

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

OTUD4 Antibody (C-Term, near) - 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-Term, near) - 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-Term, near) - Images**OTUD4 Antibody (C-Term, near) - Background**

This antibody is expected to recognize reported isoforms 1 (NP_955356.1) and 3 (NP_001096123.1).

OTUD4 Antibody (C-Term, near) - References

Heterogeneity of breast cancer metastases: comparison of therapeutic target expression and promoter methylation between primary tumors and their multifocal metastases. Wu JM, Fackler MJ, Halushka MK, Molavi DW, Taylor ME, Teo WW, Griffin C, Fetting J, Davidson NE, De Marzo AM, Hicks JL, Chitale D, Ladanyi M, Sukumar S, Argani P. Clin. Cancer Res. 2008 Apr 14 (7): 1938-46. PMID: 18381931