

OTUD4 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2224a**Specification****OTUD4 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	Q01804
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	124kDa KDa

Description

Alternatively spliced transcript variants have been found for this gene. The smaller protein isoform encoded by the shorter transcript variant is found only in HIV-1 infected cells.

Immunogen

Purified recombinant fragment of human OTUD4 (AA: 815-1049) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

OTUD4 Antibody - 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

Dilution

E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

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 is for research use only and not for use in diagnostic or therapeutic procedures.

OTUD4 Antibody - 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 - 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](#)