10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-OTUD4 Antibody

Catalog # AP95984

Product Information

Application	WB, FC
Primary Accession	Q01804
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	124045

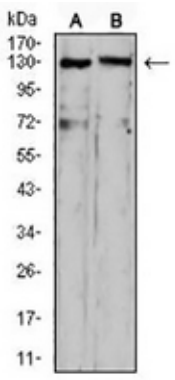
Additional Information

Gene ID	54726
Other Names	HIN1; KIAA1046; OTU domain-containing protein 4; HIV-1-induced protein HIN-1
Target/Specificity	Recombinant fusion protein of human OTUD4 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

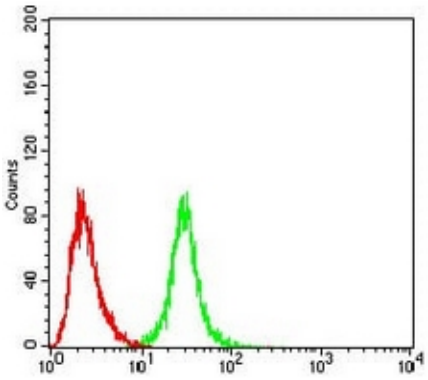
Protein Information

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

Images



Western blot analysis of OTUD4 expression in HepG2 (A), C6 (B) whole cell lysates. (Predicted band size: 124 kD; Observed band size: 130 kD)



Flow cytometric analysis of HeLa cells using Anti-OTUD4 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.