

OTUD4 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5997a**Specification**

OTUD4 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O01804](#)
Other Accession [NP_001096123.1](#), [NP_059963.1](#)

OTUD4 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 54726

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

OTUD4 Antibody (N-term) Blocking peptide - 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 (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

OTUD4 Antibody (N-term) Blocking peptide - Images