

OTUD3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP11031c**Specification**

OTUD3 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O5T2D3](#)
Other Accession [NP_056022.1](#)

OTUD3 Antibody (Center) Blocking peptide - Additional Information

Gene ID 23252

Other Names

OTU domain-containing protein 3, OTUD3, KIAA0459

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.

OTUD3 Antibody (Center) Blocking peptide - Protein Information

Name OTUD3 ([HGNC:29038](#))

Function

Deubiquitinating enzyme that hydrolyzes 'Lys-6'- and 'Lys- 11'-linked polyubiquitin. Also hydrolyzes heterotypic (mixed and branched) and homotypic chains (PubMed:23827681, PubMed:32011234, PubMed:35675826). Important regulator of energy metabolism (PubMed:35675826). Glucose and fatty acids trigger its nuclear translocation by CBP-dependent acetylation (PubMed:35675826). In the nucleus, deubiquitinates and stabilizes the nuclear receptor PPAR δ regulating the expression of various genes involved in glucose and lipid metabolism and oxidative phosphorylation (PubMed:35675826). Also acts as a negative regulator of the ribosome quality control (RQC) by mediating deubiquitination of 40S ribosomal proteins RPS10/eS10 and RPS20/uS10, thereby antagonizing ZNF598-mediated 40S ubiquitination (PubMed:32011234).

Cellular Location

Cytoplasm. Nucleus. Note=Glucose or fatty acid promote nuclear translocation upon acetylation.

OTUD3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

OTUD3 Antibody (Center) Blocking peptide - Images**OTUD3 Antibody (Center) Blocking peptide - References**

McGovern, D.P., et al. Nat. Genet. 42(4):332-337(2010) Franke, A., et al. Nat. Genet. 42(4):292-294(2010) Barrett, J.C., et al. Nat. Genet. 41(12):1330-1334(2009) Silverberg, M.S., et al. Nat. Genet. 41(2):216-220(2009) Venter, J.C., et al. Science 291(5507):1304-1351(2001)