

FAM105B Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5734c**Specification**

FAM105B Antibody (Center) Blocking peptide - Product Information

Primary Accession [O96BN8](#)
Other Accession [NP_612357.4](#)

FAM105B Antibody (Center) Blocking peptide - Additional Information

Gene ID 90268

Other Names

Ubiquitin thioesterase otulin, Deubiquitinating enzyme otulin, OTU domain-containing deubiquitinase with linear linkage specificity, Ubiquitin thioesterase Gumby, OTULIN, FAM105B

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.

FAM105B Antibody (Center) Blocking peptide - Protein Information

Name OTULIN {ECO:0000303|PubMed:23806334, ECO:0000312|HGNC:HGNC:25118}

Function

Deubiquitinase that specifically removes linear ('Met-1'- linked) polyubiquitin chains to substrates and acts as a regulator of angiogenesis and innate immune response (PubMed:26997266, PubMed:23708998, PubMed:23746843, PubMed:23806334, PubMed:23827681, PubMed:27523608, PubMed:27559085, PubMed:24726323, PubMed:24726327, PubMed:28919039, PubMed:35170849, PubMed:35587511). Required during angiogenesis, craniofacial and neuronal development by regulating the canonical Wnt signaling together with the LUBAC complex (PubMed:23708998). Acts as a negative regulator of NF-kappa-B by regulating the activity of the LUBAC complex (PubMed:23746843, PubMed:23806334). OTULIN function is mainly restricted to homeostasis of the LUBAC complex: acts by removing 'Met-1'-linked autoubiquitination of the LUBAC complex, thereby preventing inactivation of the LUBAC complex (PubMed:26670046). Acts as a key negative regulator of inflammation by restricting spontaneous inflammation and maintaining immune homeostasis (PubMed:27523608). In myeloid cell, required to prevent unwarranted secretion of cytokines leading to inflammation and autoimmunity by restricting linear polyubiquitin formation (PubMed:27523608). Plays a role in innate immune response by restricting linear polyubiquitin formation on LUBAC complex in response to NOD2 stimulation, probably to limit NOD2- dependent pro-inflammatory signaling (PubMed:23806334).

Cellular Location

Cytoplasm.

FAM105B Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

FAM105B Antibody (Center) Blocking peptide - Images**FAM105B Antibody (Center) Blocking peptide - References**

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :