

Rabbit anti-Human, Mouse OTULIN Polyclonal Antibody | anti-OTULIN antibody

Rabbit anti-OTULIN Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213441	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

OTULIN; Polyclonal Antibody; Rabbit anti-OTULIN Antibody; Affinity Purified; OTU domain-containing deubiquitinase with linear linkage specificity; ubiquitin thioesterase Gumbly; GUM; FAM105B; deubiquitinating enzyme otulin; AIPDS; ubiquitin thioesterase otulin; family with sequence similarity 105; member B; Ubiquitin thioesterase otulin; OTU deubiquitinase with linear linkage specificity; anti-OTULIN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-OTULIN antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 75 and 125
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse OTULIN by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, U2OS, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-OTULIN antibody (AAA213441 lot 1) used for WB at 0.1 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human OTULIN by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-OTULIN antibody (AAA213441 lot 1) used for IP at 2 ug per reaction. OTULIN was also immunoprecipitated by rabbit anti-OTULIN antibody. For blotting immunoprecipitated OTULIN, AAA213441 was used at 0.1 mg/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-OTULIN antibody	OTulin is a deubiquitinase that specifically removes linear ('Met-1'-linked) polyubiquitin chains to substrates and acts as a regulator of angiogenesis and innate immune response. Required during angiogenesis, craniofacial and neuronal development by regulating the canonical Wnt signaling together with the LUBAC complex. Acts as a negative regulator of NF-kappa-B by regulating the activity of the LUBAC complex. 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. Acts as a key negative regulator of inflammation by restricting spontaneous inflammation and maintaining immune homeostasis. In myeloid cell, required to prevent unwarranted secretion of cytokines leading to inflammation and autoimmunity by restricting linear polyubiquitin formation. 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 proinflammatory signaling. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q96BN8].
Product Categories/Family for anti-OTULIN antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	115334675
NCBI GeneID	90268
NCBI Accession #	NP_612357.4
NCBI GenBank Nucleotide #	NM_138348.4
UniProt Accession #	Q96BN8; Q8NAS0; Q96IA3; D3DTD3
Molecular Weight	40,263 Da
NCBI Official Full Name	ubiquitin thioesterase otulin
NCBI Official Synonym Full Names	OTU deubiquitinase with linear linkage specificity
NCBI Official Symbol	OTULIN
NCBI Official Synonym Symbols	GUM; FAM105B
NCBI Protein Information	ubiquitin thioesterase otulin; gumby; protein FAM105B; ubiquitin thioesterase Gumby; deubiquitinating enzyme otulin; family with sequence similarity 105, member B; OTU domain-containing deubiquitinase with linear linkage specificity
UniProt Protein Name	Ubiquitin thioesterase otulin
UniProt Gene Name	OTULIN
UniProt Synonym Gene Names	FAM105B
UniProt Entry Name	OTUL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/otulin-antibody-immunoprecipitation-western-blot-elisa/213441>