

Datasheet for ABIN7174397  
**anti-FAM105B antibody (AA 1-287)**



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1 Image

## Overview

Quantity:	100 µL
Target:	FAM105B
Binding Specificity:	AA 1-287
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAM105B antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Ubiquitin thioesterase otulin protein (1-287AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	FAM105B
Alternative Name:	OTULIN ( <a href="#">FAM105B Products</a> )
Background:	Background: Deubiquitinase that specifically removes linear (\\Met-1\\'-linked) polyubiquitin chains to substrates and acts as a regulator of angiogenesis and innate immune response

## Target Details

(PubMed:23708998, PubMed:23746843, PubMed:23806334, PubMed:23827681, PubMed:27523608, PubMed:27559085, PubMed:24726323, PubMed:24726327). Associates with the LUBAC complex via direct interaction with RNF31 and counteracts its action by cleaving linear polyubiquitin chains to substrates (PubMed:23708998, PubMed:23746843, PubMed:23806334, PubMed:23827681, PubMed:24726323, PubMed:24726327). 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 counteracting activity of the LUBAC complex (PubMed:23746843, PubMed:23806334). Required for homeostasis of the LUBAC complex by restricting autoubiquitination of the LUBAC complex subunit RNF31 (PubMed:24726323). Some results have suggested that OTULIN function is restricted to homeostasis of the LUBAC complex, because it is not stably associated with TNF or NOD2 receptor signaling complexes (RSCs) (PubMed:26670046). However, further report have shown that it plays active roles in receptor signaling (PubMed:26997266, PubMed:27523608). 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 key role in innate immune response by restricting linear polyubiquitin formation on RIPK2 in response to NOD2 stimulation, probably to limit NOD2-dependent proinflammatory signaling (PubMed:23806334).

Aliases: AIPDS antibody, Deubiquitinating enzyme otulin antibody, F105B\_HUMAN antibody, Fam105b antibody, Family with sequence similarity 105, member B antibody, FLJ34884 antibody, GUM antibody, OTU deubiquitinase with linear linkage specificity antibody, OTULIN antibody, Protein FAM105B antibody, Ubiquitin thioesterase Gumby antibody

UniProt: [Q96BN8](#)

## Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

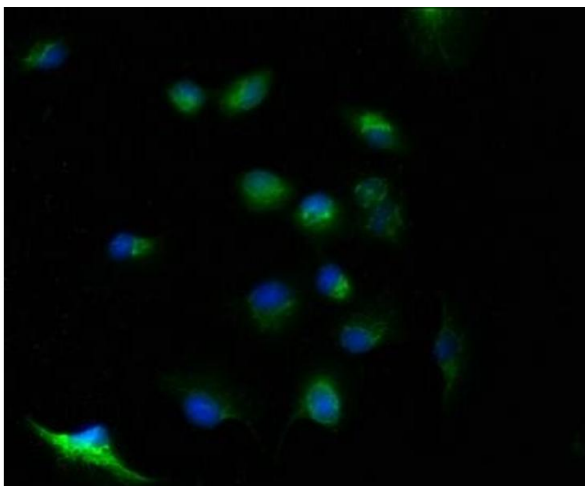
Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

## Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunofluorescence

**Image 1.** Immunofluorescence staining of U251 cells with ABIN7174397 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).