

Datasheet for ABIN7600240
anti-OTUD5 antibody (AA 168-555)



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Overview

Quantity:	100 µg
Target:	OTUD5
Binding Specificity:	AA 168-555
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OTUD5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-OTUD5 Antibody Picoband®
Immunogen:	E.coli-derived human OTUD5 recombinant protein (Position: R168-D555). Human OTUD5 shares 98.2% and 98.5% amino acid (aa) sequence identity with mouse and rat OTUD5, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Anti-OTUD5 Antibody Picoband® (ABIN7601270). Tested in WB, ICC/IF, ELISA applications.</p> <p>This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: OTUD5

Alternative Name: OTUD5 ([OTUD5 Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: OTU deubiquitinase 5 is a protein that in humans is encoded by the OTUD5 gene. This gene encodes a member of the OTU (ovarian tumor) domain-containing cysteine protease superfamily. The OTU domain confers deubiquitinase activity and the encoded protein has been shown to suppress the type I interferon-dependent innate immune response by cleaving the polyubiquitin chain from an essential type I interferon adaptor protein. Cleavage results in disassociation of the adaptor protein from a downstream signaling complex and disruption of the type I interferon signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been described.

Molecular Weight: 75 kDa

Gene ID: 55593

UniProt: [Q96G74](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human
ELISA, 0.1-0.5 µg/mL, -

Application Details

1. Beck, D. B., Basar, M. A., Asmar, A. J., Thompson, J. J., Oda, H., Uehara, D. T., Saida, K., Pajusalu, S., Talvik, I., D'Souza, P., Bodurtha, J., Mu, W., and 21 others. Linkage-specific deubiquitylation by OTUD5 defines an embryonic pathway intolerant to genomic variation. *Sci. Adv.* 7: eabe2116, 2021. 2. Kayagaki, N., Phung, Q., Chan, S., Chaudhari, R., Quan, C., O'Rourke, K. M., Eby, M., Pietras, E., Cheng, G., Bazan, J. F., Zhang, Z., Arnott, D., Dixit, V. M. DUBA: a deubiquitinase that regulates type I interferon production. *Science* 318: 1628-1632, 2007. 3. Rutz, S., Kayagaki, N., Phung, Q. T., Eidenschenk, C., Noubade, R., Wang, X., Lesch, J., Lu, R., Newton, K., Huang, O. W., Cochran, A. G., Vasser, M., and 9 others. Deubiquitinase DUBA is a post-translational brake on interleukin-17 production in T cells. *Nature* 518: 417-421, 2015.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.