

Product Datasheet

OTUD1 Antibody - BSA Free

NBP1-90484

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-90484

OTUD1 Antibody - BSA Free

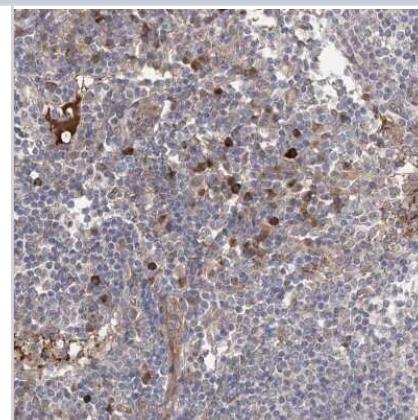
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit OTUD1 Antibody - BSA Free (NBP1-90484) is a polyclonal antibody validated for use in IHC. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	220213
Gene Symbol	OTUD1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SSAAEPVIVSRSDPRDEKLALYLAEVEKQDKYLRQRNKYRFHIIPDGNCLYRAV SKTVYGDQSLHRELREQTVHYIADHLDHFSPLEIGDVGEFIAAAQD

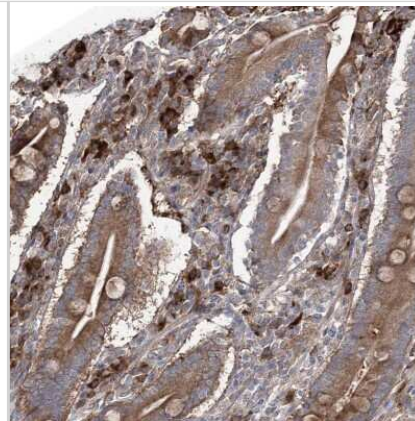
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

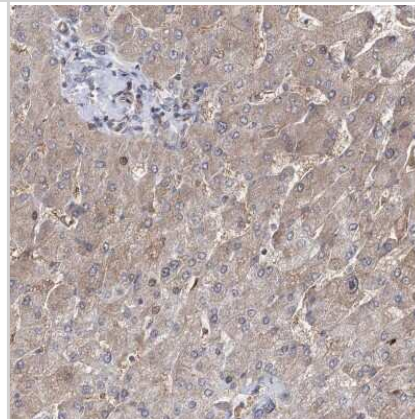
Immunohistochemistry-Paraffin: OTUD1 Antibody [NBP1-90484] - Staining of human lymph node shows moderate to strong cytoplasmic positivity in lymphoid cells.



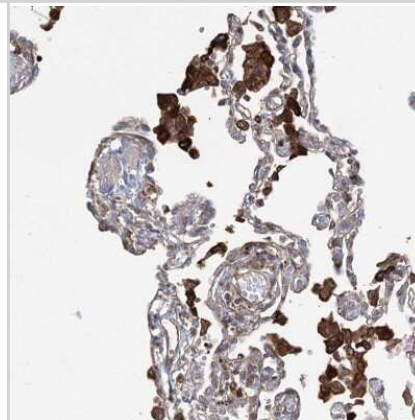
Immunohistochemistry-Paraffin: OTUD1 Antibody [NBP1-90484] - Staining of human duodenum shows moderate to strong cytoplasmic positivity in lymphoid cells.



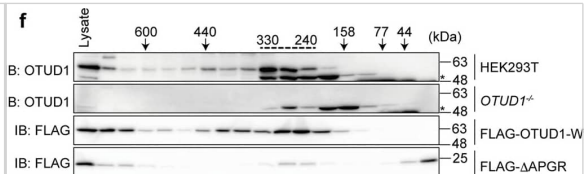
Immunohistochemistry-Paraffin: OTUD1 Antibody [NBP1-90484] - Staining of human liver shows weak to moderate cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: OTUD1 Antibody [NBP1-90484] - Staining of human lung shows strong cytoplasmic positivity in macrophages.



OTUD1 suppresses canonical NF- κ B activation through the catalytic activity and the N-terminal region. **a** Screening for DUBs that regulate LUBAC-mediated NF- κ B activation. Effects of 88 human DUBs on LUBAC-induced NF- κ B activation were analyzed by a luciferase assay. **b** Dose-dependent inhibition by OTUD1 on LUBAC- and TNF- α -induced NF- κ B activation. Effects of increasing amounts (0.1, 0.3, and 1.0 μ g) of OTUD1 were examined with co-expression of LUBAC or 6 h treatment with 10 ng/ml TNF- α in HEK293T cells. **c** Domain structure of wild-type (Wt) and mutants of OTUD1. APGR: Ala-, Pro-, and Gly-rich region; OTU ovarian tumor protease, UIM ubiquitin-interacting motif. **d** Effect of OTUD1 mutants on the LUBAC-induced NF- κ B activity. The relative NF- κ B activity induced in the presence of Wt or various mutants of OTUD1, and expression levels of OTUD1 and LUBAC subunits are shown. **a**, **b**, **d** Data are shown as mean \pm SD by ANOVA post-hoc Tukey test ($n = 3$ or 4). * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, **** $P < 0.0001$, NS not significant. **e** The N-terminal APGR region is disordered. Intrinsically ordered and disordered segments of OTUD1 were analyzed by DICHOT [12] (<https://idp1.force.cs.is.nagoya-u.ac.jp/dichot/>). **f** OTUD1 eluted in the high molecular weight fractions. Gel filtration analyses of lysates prepared from parental and OTUD1 $^{-/-}$ cells, and FLAG-OTUD1-Wt- and FLAG- Δ APGR-expressing HEK293T cells were performed using a Superdex 200 column. Concentrated fractions were subjected to immunoblotting with the indicated antibodies. *Non-specific signal. Image collected and cropped by CiteAb from the following open publication (<https://www.nature.com/articles/s41419-022-05145-5>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.





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Products Related to NBP1-90484

NBP1-90484PEP	OTUD1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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