

**YOD1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11304B****Specification**

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**YOD1 Antibody (C-term) - Product Information**

Application	IF, WB, IHC-P-Leica,E
Primary Accession	<a href="#">Q5VVQ6</a>
Other Accession	<a href="#">Q567B1</a> , <a href="#">Q5F3A6</a> , <a href="#">NP_061036.3</a>
Reactivity	Human
Predicted	Chicken, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	319-347

**YOD1 Antibody (C-term) - Additional Information****Gene ID** 55432**Other Names**

Ubiquitin thioesterase OTU1, DUBA-8, HIV-1-induced protease 7, HIN-7, HsHIN7, OTU domain-containing protein 2, YOD1, DUBA8, HIN7, OTUD2

**Target/Specificity**

This YOD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 319-347 amino acids from the C-terminal region of human YOD1.

**Dilution**IF~~1:10~50  
WB~~1:2000  
IHC-P-Leica~~1:500  
E~~Use at an assay dependent concentration.**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

YOD1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**YOD1 Antibody (C-term) - Protein Information**

**Name** YOD1

**Synonyms** DUBA8, HIN7, OTUD2

**Function** Hydrolase that can remove conjugated ubiquitin from proteins and participates in endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal proteins. May act by trimming the ubiquitin chain on the associated substrate to facilitate their threading through the VCP/p97 pore. Ubiquitin moieties on substrates may present a steric impediment to the threading process when the substrate is transferred to the VCP pore and threaded through VCP's axial channel. Mediates deubiquitination of 'Lys-27'-, 'Lys-29'- and 'Lys-33'-linked polyubiquitin chains. Also able to hydrolyze 'Lys-11'-linked ubiquitin chains. Cleaves both polyubiquitin and di-ubiquitin. May play a role in macroautophagy, regulating for instance the clearance of damaged lysosomes. May recruit PLAA, UBXN6 and VCP to damaged lysosome membranes decorated with K48-linked ubiquitin chains and remove these chains allowing autophagosome formation (PubMed:[27753622](#)).

**Cellular Location**

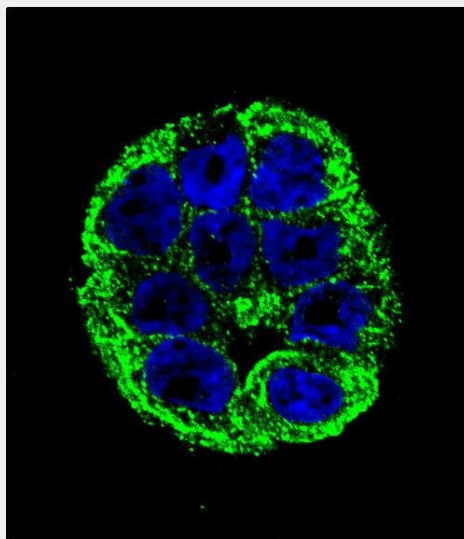
Cytoplasm. Note=Recruited to damaged lysosomes decorated with K48-linked ubiquitin chains.

**YOD1 Antibody (C-term) - Protocols**

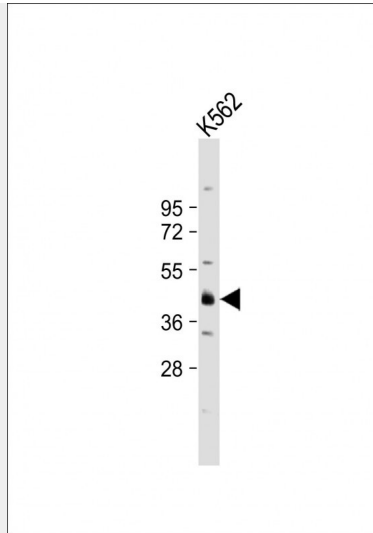
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

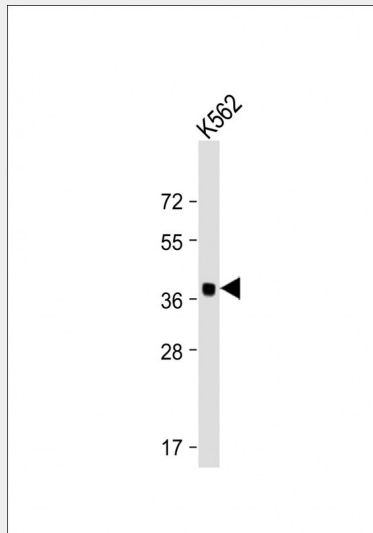
**YOD1 Antibody (C-term) - Images**



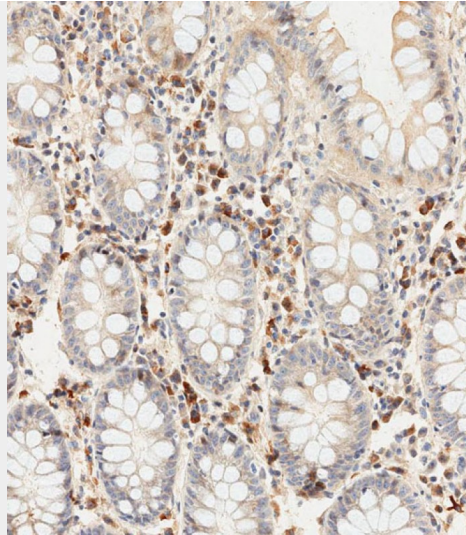
Confocal immunofluorescent analysis of YOD1 Antibody (C-term)(Cat#AP11304b) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Anti-YOD1 Antibody (C-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



Anti-YOD1 Antibody (C-term) at 1:2000 dilution + K562 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



Immunohistochemical analysis of paraffin-embedded human colon tissue using AP11304b performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

#### **YOD1 Antibody (C-term) - Background**

Deubiquitinating enzymes (DUBs; see MIM 603478) are proteases that specifically cleave ubiquitin (MIM 191339) linkages, negating the action of ubiquitin ligases. DUBA8 belongs to a DUB subfamily characterized by an ovarian tumor (OTU) domain.[supplied by OMIM].

#### **YOD1 Antibody (C-term) - References**

Ernst, R., et al. Mol. Cell 36(1):28-38(2009)

#### **YOD1 Antibody (C-term) - Citations**

- [A deubiquitinase negatively regulates retro-translocation of nonubiquitinated substrates.](#)