G-Biosciences Image not found or type unknown

Immunotag™ YOD1 Antibody

Antibody Specification

Catalog No.	ITA5475
Product Description	Immunotag™ YOD1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	YOD1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	YOD1 Antibody detects endogenous levels of total YOD1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	YOD1
Accession No.	Q5VVQ6
Alternate Names	YOD1 OTU deubiquinating enzyme 1 homolog (S. cerevisiae) edit item name - YOD1 OTU deubiquinating enzyme 1, S. cerevisiae, homolog of; DUBA-8; DUBA8; HIN-7; HIV-1-induced protease 7; HsHIN7; OTU domain containing 2; OTU domain-containing protein 2; OTU1_HUMAN; OTUD2; PRO0907; RP11-164O23.1; Ubiquitin thioesterase OTU1; yod1; YOD1 OTU deubiquinating enzyme 1 homolog (S. cerevisiae); YOD1 OTU deubiquinating enzyme 1 homolog (yeast);

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Description	Hydrolase that can remove conjugated ubiquitin from proteins and participates in endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal proteins. May act by triming 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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	35 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.