G-Biosciences Image not found or type unknown

Immunotag™ OTUB1 Antibody

Antibody Specification

Catalog No.	ITA9736
Product Description	Immunotag™ OTUB1 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	OTUB1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human OTUB1
Specificity	OTUB1 Antibody detects endogenous levels of total OTUB1
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	OTUB1
Accession No.	Q96FW1
Alternate Names	Deubiquitinating enzyme OTUB1; hOTU1; HSPC263; OTB1; OTU domain containing ubiquitin aldehyde binding protein 1; OTU domain, ubiquitin aldehyde binding 1; OTU domain-containing Ubal-binding protein 1; OTU domain-containing ubiquitin aldehyde-binding protein 1; OTU-domain Ubal-binding 1; OTU1; Otub1; OTUB1_HUMAN; Otubain 1; Otubain-1; Ubiquitin specific processing protease OTUB1; Ubiquitin thioesterase OTUB1; ubiquitin-specific protease otubain 1; Ubiquitin-specific-processing protease OTUB1;

Antibody Specification

Description	Hydrolase that can specifically remove 'Lys-48'-linked conjugated ubiquitin from proteins and plays an important regulatory role at the level of protein turnover by preventing degradation. Regulator of T-cell anergy, a phenomenon that occurs when T-cells are rendered unresponsive to antigen rechallenge and no longer respond to their cognate antigen. Acts via its interaction with RNF128/GRAIL, a crucial inductor of CD4 T-cell anergy. Isoform 1 destabilizes RNF128, leading to prevent anergy. In contrast, isoform 2 stabilizes RNF128 and promotes anergy. Surprisingly, it regulates RNF128-mediated ubiquitination, but does not deubiquitinate polyubiquitinated RNF128. Deubiquitinates estrogen receptor alpha (ESR1). Mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains, but not 'Lys-63'-linked polyubiquitin chains. Not able to cleave di-ubiquitin. Also capable of removing NEDD8 from NEDD8 conjugates, but with a much lower preference compared to 'Lys-48'-linked ubiquitin.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	31 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.