



Rabbit Anti-Ubiquitin monoclonal antibody, clone TS15-31 (CABT-L661)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Ubiquitin
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TS15-31
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Molecular Weight	55 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	SH-SY-5Y, MCF-7, mouse testis tissue, mouse placenta tissue, mouse brain tissue, mouse heart tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	<p>Ubiquitin is a conserved polypeptide unit that plays an important role in the ubiquitin-proteasome pathway. Ubiquitin exists either covalently attached to another protein, or free (unanchored). When covalently bound, it is conjugated to target proteins via an isopeptide bond either as a monomer (monoubiquitin), a polymer linked via different Lys residues of the ubiquitin (polyubiquitin chains) or a linear polymer linked via the initiator Met of the ubiquitin (linear polyubiquitin chains). Polyubiquitin chains, when attached to a target protein, have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B. This antibody reacts with ubiquitin, a polypeptide w/ Mr. of approx. 8.5kD. It reacts with physiologically occurring conjugates of ubiquitin and intracellular proteins. Specifically recognizes ubiquitinated cytoplasmic inclusion bodies.</p>
Keywords	<p>FLJ25987;MGC8385;Polyubiquitin B;RPS 27A;RPS27A;UBA 52;UBA 80;UBA52;UBA80;UBB;UBB_HUMAN;UBC;UBCEP 1;UBCEP 2;UBCEP1;UBCEP2;Ubiquitin;Ubiquitin B antibody</p>