

Protein Modifiers Ubiquitin, SUMO Antibodies

& Proteasome Antibodies

Multiubiquitin Chain

The Ubiquitin-proteasome protein degradation system is the key mechanism for various biological activities. In this system, the protein to be degraded is tagged by the multiubiquitin chain, this process so-called as ubiquitylation. Three enzymes are known to be involved in the ubiquitylation; E1, E2 and E3. E3 ubiquitin ligase confers specificity to ubiquitylation by recognizing the target protein. The ubiquitylated proteins are degraded by the 26S proteasome.

Multiubiquitin chain



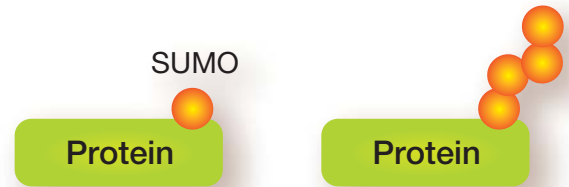
Description	Host	Clone	Isotype	Specificity	Application	Cat. No.	Quantity
Anti Multiubiquitin, Chain	Mouse	FK1	IgM	Does not react with methyl ubiquitinated protein and free-ubiquitin.	WB/ ELISA	NBT-MFK-001	0.5 mg
						NBT-MFK-002	1 mg
		FK2	IgG1	Reacts with methyl ubiquitinated protein. Does not react with free-ubiquitin.	WB/ ELISA	NBT-MFK-003	0.5 mg
						NBT-MFK-004	1 mg

Related proteins

Description	Host	Clone	Isotype	Immunogen	Application	Cat. No.	Quantity
Anti UBA2	Rabbit	-	-	UBA2 (NP_005490.1) full-length human protein (1-640 a.a.)	WB	CAC-CNP-UBA2-390	100 µl
Anti UBE2A	Mouse	2782C5	IgG2a	Recombinant protein, Human (50-200 a.a.)	WB/ Dot Blot	CBX-CBX00426	100 µg
Anti HIP2	Mouse	757C3a	IgG1	Recombinant protein, Human (50-200 a.a.)	WB/ Dot Blot	CBX-CBX00408	100 µg
Anti SMURF1	Rabbit	-	-	GX0084 (GST-fusion protein, 143 amino acids), mKIAA1625	WB	PRX-MKA1625	100 µl
Anti SMURF1	Rabbit	-	-	GX0084 (GST-fusion protein, 143 amino acids), mKIAA1625	WB	PRX-MKA1625PA	100 µg (200 µl)
Anti Rad18	Rabbit	-	-	GST-fusion protein containing 113 carboxyl terminal of human Rad18	WB/ IF/ IP	BAM-70-023-EX	100 µg
Anti UBR5	Rabbit	-	-	GX0167 (GST-fusion protein, 123 amino acids), mKIAA0896	WB	PRX-MKA0896AF	50 µg (250 µl)
Anti UBE3C	Rabbit	-	-	MAPKAPK2 (NP_116584.2) full-length human protein (1-400 a.a.)	WB	CAC-CNP-UBE3C-068	100 µl
Anti UBE4A	Rabbit	-	-	GX1702 (GST-fusion protein, 179 amino acids), mKIAA0126	WB	PRX-MKA0126	100 µl
Anti USP5	Rabbit	-	-	GX2940 (GST-fusion protein, 164 amino acids), mKIBB3523	WB	PRX-MKB3523	100 µl
Anti USP11	Rabbit	-	-	Partial peptide of Mouse Usp11	IHC	KAL-KG403	25 µg
Anti USP18	Rabbit	-	-	USP18 (CAK54503.1) full-length human protein (1-372 a.a.)	WB/IP	CAC-CNP-USP18-334	100 µl
Anti USP19	Rabbit	-	-	GX0401 (GST-fusion protein, 237 amino acids), mKIAA0891	WB	PRX-MKA0891	100 µl
Anti BAP1	Mouse	2058C3a	IgG1	Recombinant protein, Human (50-200 a.a.)	WB/ Dot Blot	CBX-CBX00442	100 µg

SUMO and related proteins

SUMO is a ubiquitin-like protein that can be covalently attached to proteins as a monomer or a lysine-linked polymer. This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction.



Description	Host	Clone	Isotype	Immunogen	Application	Cat. No.	Quantity
Anti SUMO1	Rat	4D12	IgG2a	Recombinant GST-fused human SUMO1 (full length)	WB/ ICC/ IHC	CAC-CE-041A	100 µl
Anti SUMO1	Rat	4D12	IgG2a	Recombinant GST-fused human SUMO1 (full length)	WB/ IHC/ IF ELISA	BAM-70-653-EX	100 µg
Anti SUMO2 and SUMO3	Rat	3H12	IgG2a	Recombinant GST-fused human SUMO3 (full length)	WB/ ICC/ IHC	CAC-CE-042A	100 µl
Anti SAE1	Mouse	2946C4a	IgG1	Recombinant protein, Human (50-200 a.a.)	WB/ Dot Blot/ IC	CBX-CBX00693	100 µg

Proteasome Components and related proteins

The 26S proteasome is a protein complex with a molecular mass of ~2,000 kDa. It is essential not only for eliminating damaged or misfolded proteins but also for degrading short-lived regulatory proteins involved in cell cycle regulation, DNA repair, signal transduction, apoptosis, and metabolic regulation. The 26S proteasome is composed of the 20S core particle (CP) and the 19S regulatory particle (RP). The RP is further subdivided into lid and base sub-complexes.

26S proteasome



Description	Host	Clone	Isotype	Immunogen	Application	Cat. No.	Quantity
Anti Pad1	Rabbit	-	-	Recombinant <i>S. pombe</i> full-length Pad1	IB/ IP	BAM-63-133-EX	100 µl
Anti Rpn3	Rabbit	-	-	Recombinant yeast Rpn3p expressed in <i>E. coli</i>	WB/ IP	BAM-62-201-EX	100 µl
Anti Rpn5	Rabbit	-	-	Recombinant yeast Rpn5p expressed in <i>E. coli</i>	WB/ IP	BAM-62-203-EX	100 µl
Anti Rpn7	Rabbit	-	-	Recombinant yeast Rpn7p expressed in <i>E. coli</i>	WB/ IP	BAM-62-205-EX	100 µl
Anti Rpn9	Rabbit	-	-	GST-full length Rpn9 fusion protein expressed in <i>E. coli</i>	WB/ IP	BAM-62-207-EX	100 µl
Anti Rpn12	Rabbit	-	-	Recombinant yeast Rpn12 expressed in <i>E. coli</i>	WB/ IP	BAM-62-209-EX	20 µl
Anti PSMB4	Rabbit	-	-	PSMB4 (NP_002787.2) full-length human protein (1- 264 a.a.)	WB	CAC-CNP-PSMB4-384	100 µl
Anti PSMC5	Mouse	2837C4a	IgG1	Recombinant protein, Human (50-200 a.a.)	WB/ IC/ Dot Blot	CBX-CBX00450	100 µg
Anti PSMC5	Rabbit	-	-	GX5159 (GST-fusion protein, 163 amino acids), human PSMC5 protein	WB	PRX-KB6588GNP	100 µl
Anti Nas6	Rabbit	-	-	Recombinant yeast Nas6 expressed in <i>E. coli</i>	WB/ IP	BAM-62-213-EX	100 µl
Anti Nob1	Rabbit	-	-	Recombinant yeast Nob1p expressed in <i>E. coli</i>	WB/ IP	BAM-62-211-EX	100 µl

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