

**bsm-63005R****[ Primary Antibody ]**

## K48-linkage specific ubiquitin Recombinant Rabbit mAb

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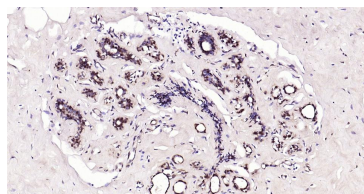
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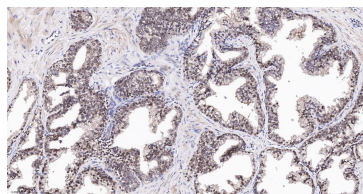
### — DATASHEET —

|                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host:</b> Rabbit                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Isotype:</b> IgG   | <b>Applications:</b> IHC-P (1:100-500)<br><b>IHC-F</b> (1:100-500)<br><b>IF</b> (1:100-500)<br><b>Flow-Cyt</b> (1:50-100)<br><b>ICC/IF</b> (1:50-200)<br><br><b>Reactivity:</b> Human, Mouse, Rat<br><br><b>Predicted MW.:</b> 26 kDa<br><br><b>Observed MW.:</b> 26 kDa<br><br><b>Subcellular Location:</b> Cytoplasm ,Nucleus |
| <b>Clonality:</b> Recombinant                                                                                                                                                                                                                                                                                                                                                                                         | <b>CloneNo.:</b> 20B9 |                                                                                                                                                                                                                                                                                                                                 |
| <b>GeneID:</b> 7314                                                                                                                                                                                                                                                                                                                                                                                                   | <b>SWISS:</b> P0CG47  |                                                                                                                                                                                                                                                                                                                                 |
| <b>Target:</b> K48-linkage specific ubiquitin                                                                                                                                                                                                                                                                                                                                                                         |                       |                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen:</b> A synthesized peptide derived from human K48-linkage specific ubiquitin: AG-K-QL.                                                                                                                                                                                                                                                                                                                   |                       |                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification:</b> affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                   |                       |                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage:</b> 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                        |                       |                                                                                                                                                                                                                                                                                                                                 |
| <b>Background:</b> 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). |                       |                                                                                                                                                                                                                                                                                                                                 |

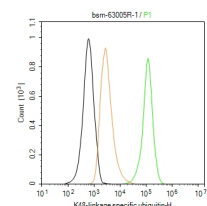
### — VALIDATION IMAGES —



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with K48-linkage specific ubiquitin Monoclonal Antibody, Unconjugated(bsm-63005R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Prostate Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with K48-linkage specific ubiquitin Monoclonal Antibody, Unconjugated(bsm-63005R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining and DAB (C-0010) staining.



The HeLa ( treated with MG132 (50  $\mu$ M, 90 minutes) ) (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-K48-linkage specific ubiquitin antibody (bsm-63005R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

### — SELECTED CITATIONS —

- **[IF=5.8]** Yiyang Pan. et al. Selective autophagic degradation of glycolytic activator PFKFB3 contributes to maintaining intestinal epithelial barrier in inflammatory bowel disease. INT J MOL MED. 2026 Feb;57(2):1-16 WB ;Human. 41384306