

**Ubiquitin Antibody**  
**Ubiquitin Antibody, Clone FK1**  
**Catalog # ASM10654****Specification**

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**Ubiquitin Antibody - Product Information**

|                           |                            |
|---------------------------|----------------------------|
| Primary Accession         | <a href="#">P0CG47</a>     |
| Other Accession           | <a href="#">BAC56955.1</a> |
| Host                      | <b>Mouse</b>               |
| Clonality                 | <b>Monoclonal</b>          |
| <b>Target/Specificity</b> |                            |
| Ubiquitin                 |                            |

**Other Names**

Polyubiquitin B Antibody, RPS27A Antibody, UBA52 Antibody, UBB Antibody, UBC Antibody, ubiquitin B Antibody

**Immunogen**

Human Ubiquitin conjugated lysozyme

**Purification**

Gel filtration

|         |              |
|---------|--------------|
| Storage | <b>-20°C</b> |
|---------|--------------|

**Storage Buffer**

10mM phosphate buffer, 0.15M NaCl pH7.4, 0.1% sodium azide \*Storage buffer may change when conjugated

|                      |                        |
|----------------------|------------------------|
| Shipping Temperature | <b>Blue Ice or 4°C</b> |
|----------------------|------------------------|

**Certificate of Analysis**

A 1:5000 dilution of SMC-213 was sufficient for detection of ubiquitin conjugates in 2.5 µg of HeLa cell lysate by electrochemiluminescence analysis using goat anti-mouse IgG:HRP as the secondary antibody.

**Cellular Localization**

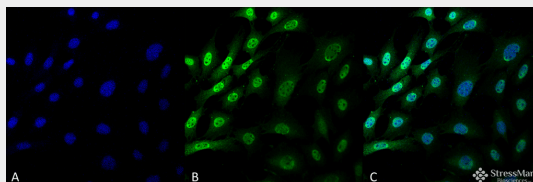
Cytoplasm | Nucleus

**Ubiquitin Antibody - Protocols**

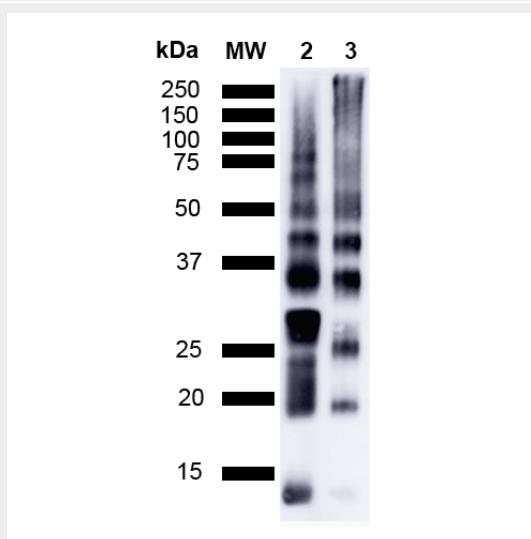
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Ubiquitin Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ubiquitin Monoclonal Antibody, Clone FK1 (ASM10654). Tissue: Fibroblast cell line (NIH 3T3). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Ubiquitin Monoclonal Antibody (ASM10654) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Nucleus, Cytoplasm. Magnification: 60X.



Western Blot analysis of Poly-Ubiquitin showing detection of Ubiquitin protein using Mouse Anti-Ubiquitin Monoclonal Antibody, Clone FK1 (ASM10654). Lane 1: MW ladder. Lane 2: Poly-Ubiquitin, K48-linked (2 ug). Lane 3: Poly-Ubiquitin, K63-linked (0.6 ug). Load: 5 uL. Block: 1% BSA in TBST. Primary Antibody: Mouse Anti-Ubiquitin Monoclonal Antibody (ASM10654) at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:2000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT.

## Ubiquitin Antibody - Background

Ubiquitin is a small protein found ubiquitously in all tissue types and acts as a post translational modification. It can bind to its substrate either as a single ubiquitin molecule or in a chain. It is involved in many regulatory processes, which include proteasomal degradation, signal transduction, DNA repair, endocytosis and autophagy.

## Ubiquitin Antibody - References

1. Chen J., & Chen Z. (2013). Curr Opin Immunol. (1): 4-12.
2. Shaid S., Brandts C., Serve H., & Dikic I. (2013). Cell Death Differ. 20(1): 21-30.