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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-Ubiquitin Antibody [FK2]

Mouse Anti-Human Ubiquitin Monoclonal IgG1  
Catalog No. SMC-214



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Ubiquitin Antibody

### Description

Mouse Anti-Human Ubiquitin Monoclonal IgG1

### Species Reactivity

Species Independent

### Applications

WB, IHC, ICC/IF, IP, ELISA

### Antibody Dilution

WB (1:10000); optimal dilutions for assays should be determined by the user.

### Host Species

Mouse

### Immunogen Species

Human

### Immunogen

Ubiquitin conjugated lysozyme

### Concentration

10 mg/ml

### Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

## Properties

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### Storage Buffer

10mM phosphate buffer, 0.15M NaCl pH7.4, 0.1% sodium azide

### Storage Temperature

-20°C, 4°C

### Shipping Temperature

Blue Ice or 4°C

### Purification

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Protein A purified

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### Clonality

Monoclonal

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### Clone Number

FK2

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### Isotype

IgG1

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### Specificity

Detects ubiquitinated proteins and ubiquitin chains. Does not detect free ubiquitin.

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### Cite This Product

Mouse Anti-Human Ubiquitin Monoclonal, Clone FK2 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-214)

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### Certificate Of Analysis

A 1:5000 dilution of SMC-214 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.

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## Biological Description

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### Alternative Names

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

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### Research Areas

Cell Signaling, Post-translational Modifications, Ubiquitination

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### Cellular Localization

Cytoplasm, Nucleus

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### Accession Number

BAC56955.1

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### Gene ID

7314

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### Swiss Prot

P0CG47

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### Scientific 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.

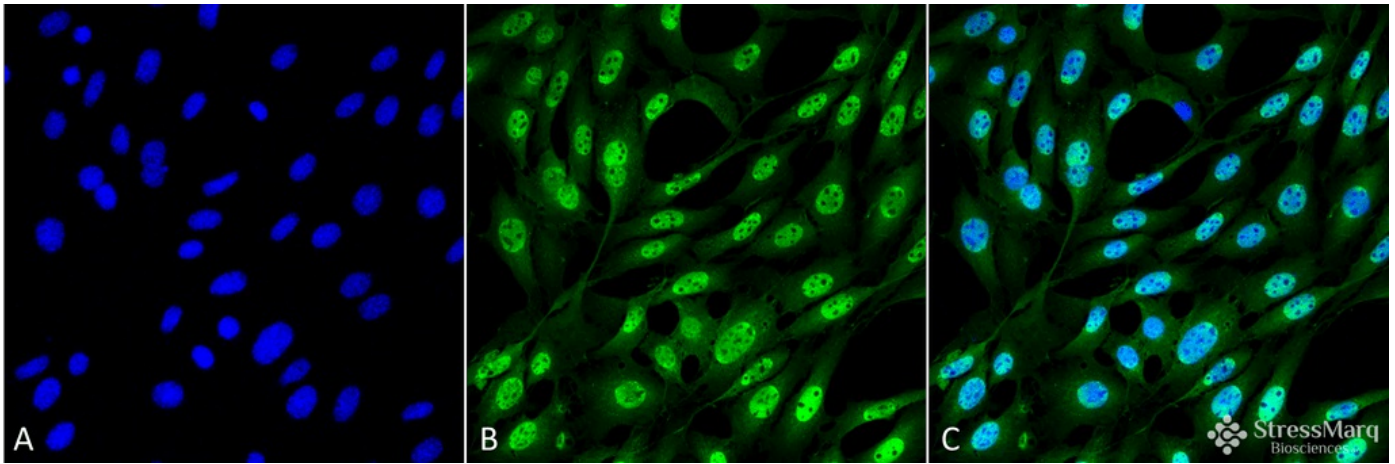
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### References

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.
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## Product Images

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Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ubiquitin Monoclonal Antibody, Clone FK2 (SMC-214). Tissue: Fibroblast cell line (NIH 3T3). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Ubiquitin Monoclonal Antibody (SMC-214) 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.

## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.