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- Expressversand

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Anti-Ubiquitin Antibody [FK1]

Mouse Anti-Human Ubiquitin Monoclonal IgM
Catalog No. SMC-213



Discovery through partnership | Excellence through quality

Overview

Product Name

Ubiquitin Antibody

Description

Mouse Anti-Human Ubiquitin Monoclonal IgM

Species Reactivity

Species Independent

Applications

WB, IHC, ICC/IF, ELISA

Antibody Dilution

WB (1:10000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Human

Immunogen

Ubiquitin conjugated lysozyme

Concentration

1 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

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

Gel filtration

Clonality

Monoclonal

Clone Number

FK1

Isotype

IgM

Specificity

Detects polyubiquitinated proteins and ubiquitin chains. Does not detect monoubiquitinated proteins nor free ubiquitin.

Cite This Product

Mouse Anti-Human Ubiquitin Monoclonal, Clone FK1 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-213)

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.

Biological Description

Alternative Names

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

Research Areas

Cell Signaling, Post-translational Modifications, Ubiquitination

Cellular Localization

Cytoplasm, Nucleus

Accession Number

BAC56955.1

Gene ID

7314

Swiss Prot

P0CG47

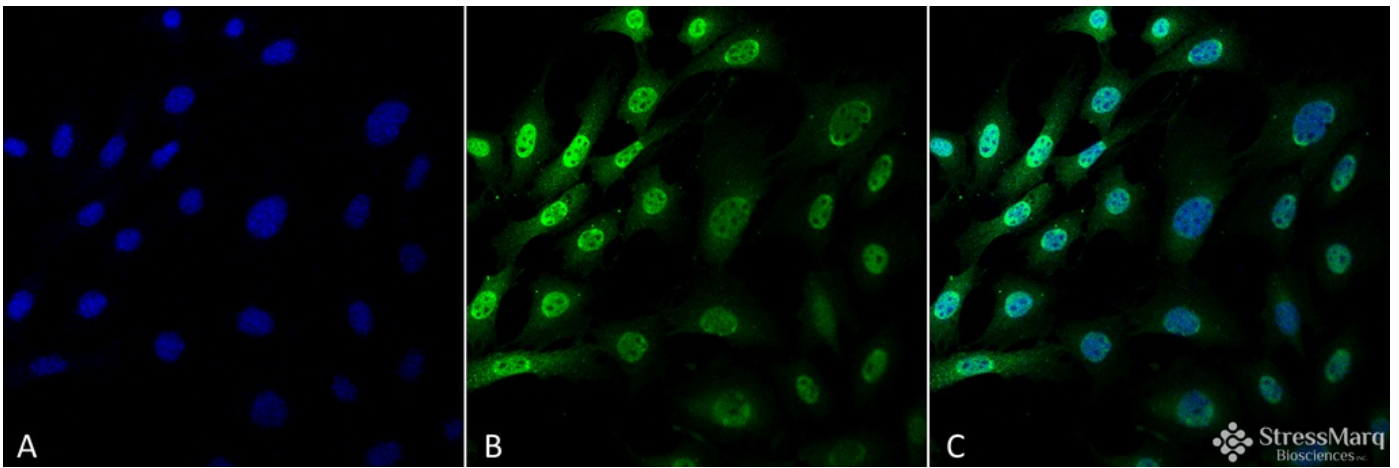
Scientific Background

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.

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



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Ubiquitin Monoclonal Antibody, Clone FK1 (SMC-213). Tissue: Fibroblast cell line (NIH 3T3). Species: Mouse. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Ubiquitin Monoclonal Antibody (SMC-213) 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)

Currently there are no citations for this product.

Reviews

There are no reviews yet.