

A18200

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M1-linkage Specific Polyubiquitin Rabbit pAb

Catalog No.: A18200

Basic Information

Observed MW

Refer to figures

Calculated MW

Category

Polyclonal Antibody

Applications

WB, ELISA, DB

Cross-Reactivity

Human, Mouse, Rat

Background

Ubiquitination, one type of the most common post-translational modification, mediates the regulation of protein homeostasis in vivo. Substrate proteins can be modified with single ubiquitin moieties or with polymeric ubiquitin chains. Within polyubiquitin chains, ubiquitin can form eight different linkage types, using one of seven internal lysine residues (K6, K11, K27, K29, K33, K48, K63) or methionine at position 1 (M1). Here we focus on a distinct type of ubiquitination that is characterized by an inter-ubiquitin linkage through the N-terminal methionine, called M1-linked or linear ubiquitination. Formation, recognition, and disassembly of linear ubiquitin chains are highly specific processes that are implicated in immune signaling, cell death regulation and protein quality control. Consistent with their role in influencing signaling events, linear ubiquitin chains are formed in a transient and spatially regulated manner, making their detection and quantification challenging.

Recommended Dilutions

WB 1:500 - 1:2000

DB 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

Swiss Prot

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human M1-linkage Specific Polyubiquitin (NP_066289.3/NP_061828.1).

Synonyms

Contact

 www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

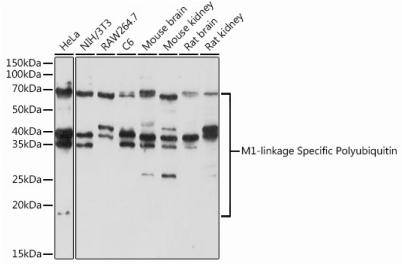
Affinity purification

Storage

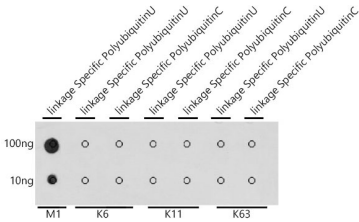
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using M1-linkage Specific Polyubiquitin Rabbit pAb (A18200) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Dot-blot analysis of all sorts of peptides using M1-linkage Specific Polyubiquitin antibody (A18200) at 1:1000 dilution.