

# K48-linkage Specific Polyubiquitin Rabbit pAb

Catalog No.: A18163 **10 Publications**

## Basic Information

### Observed MW

15-250 kDa

### Calculated MW

### Category

Primary antibody

### Applications

WB,DB,ELISA

### Cross-Reactivity

Human, Mouse, Rat, Other (Wide Range Predicted)

## Background

Protein ubiquitination is a dynamic multifaceted post-translational modification involved in nearly all aspects of eukaryotic biology. Owing to its molecular features, ubiquitin can form various homo- and heterotypic polymers on substrate proteins, thereby provoking distinct cellular responses. Ubiquitin can be ubiquitinated on seven lysine (Lys) residues or on the N-terminus, leading to polyubiquitin chains that can encompass complex topologies. Polyubiquitin chains have different functions depending on the Lys residue of the ubiquitin that is linked: Lys-6-linked may be involved in DNA repair; Lys-11-linked is involved in ERAD (endoplasmic reticulum-associated degradation) and in cell-cycle regulation; Lys-29-linked is involved in lysosomal degradation; Lys-33-linked is involved in kinase modification; Lys-48-linked is involved in protein degradation via the proteasome; Lys-63-linked is involved in endocytosis, DNA-damage responses as well as in signaling processes leading to activation of the transcription factor NF-kappa-B.

## Recommended Dilutions

**WB** 1:400 - 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

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

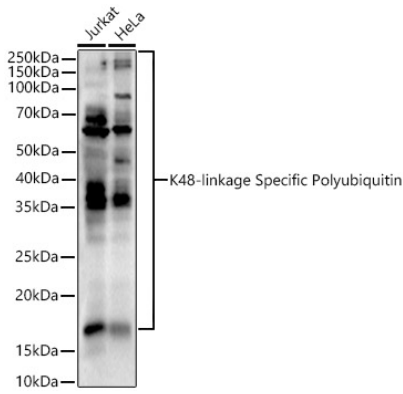
Affinity purification

### Storage

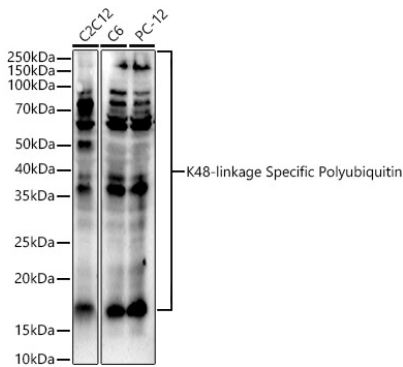
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

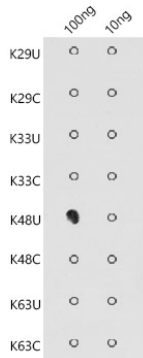
## Validation Data



Western blot analysis of various lysates using K48-linkage Specific Polyubiquitin Rabbit pAb (A18163) at 1:400 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 Enhanced Kit (RM00021).  
 Exposure time: 90s.



Western blot analysis of various lysates using K48-linkage Specific Polyubiquitin Rabbit pAb (A18163) at 1:400 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 Enhanced Kit (RM00021).  
 Exposure time: 180s.



Dot-blot analysis of all sorts of peptides using K48-linkage Specific Polyubiquitin antibody (A18163) at 1:1000 dilution.