pan-Ubiquitin Remnant Motif (K-ε-GG) Rabbit pAb

Catalog NO.: A20303

Basic Information

Observed MW
10 kDa or above

Calculated MW

Category
Other Modified Antibodies

Applications
WB, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Background

Ubiquitination plays a key role in protein degradation and signal transduction. Characterization of ubiquitination sites is important for understanding the role of this modification in cellular processes and disease. Ubiquitination sites are usually identified by detection of Lys-?-Gly-Gly (K-?-GG)-remnant peptides, which are generated by tryptic digestion of proteomes. The di-glycine remnant left at sites of ubiquitination after trypsin digestion through cleavage of the C-terminal –RGG sequence on ubiquitin (K-ε-GG). This Ubiquitin K-ε-GG remnant motif antibody will recognize the di-glycine remnant independent of flanking amino acid sequence.

Recommended Dilutions

WB 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

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

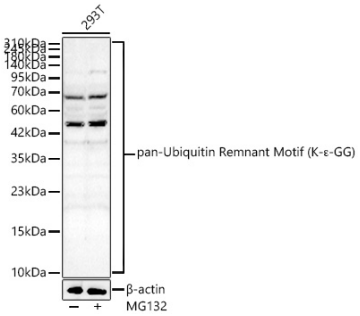
Source
Rabbit

Isotype
IgG

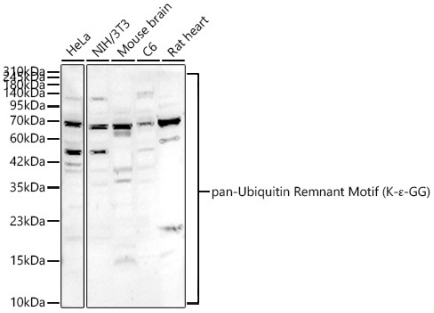
Purification
Affinity purification

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 lysates from 293T cells using pan-Ubiquitin Remnant Motif (K-ε-GG) Rabbit pAb (A20303) at 1:1000 dilution. 293T cells were treated with MG132(5 μM) at 37°C for 4 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Western blot analysis of various lysates using pan-Ubiquitin Remnant Motif (K-ε-GG) Rabbit pAb (A20303) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates / proteins: 25 μg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

For research use only. Not for therapeutic or diagnostic purposes.

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