

Pan-Crotonyl-K Rabbit mAb

Catalog No.: A27656 **Recombinant**

Basic Information

Observed MW

10kDa or more

Calculated MW

10kDa or more

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

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

CloneNo number

ARC73418

Background

The lysine residue in proteins can undergo to many types of PTMs, such as methylation, acetylation, biotinylation, ubiquitination, ubiquitin-like modifications,propionylation and butyrylation, then leading to the remarkable complexity of PTM networks. Crotonylation is a posttranslational modification (PTM) where a Crotonyl group is added to a Lys (K) residue of a protein molecule .it has been shown that the lysine Crotonylation responses to different physiological conditions and is evolutionary conserved.

Recommended Dilutions

WB 1:1000 - 1:2000

IF/ICC 1:200 - 1:2000

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 containing crotonylated K.

Synonyms

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

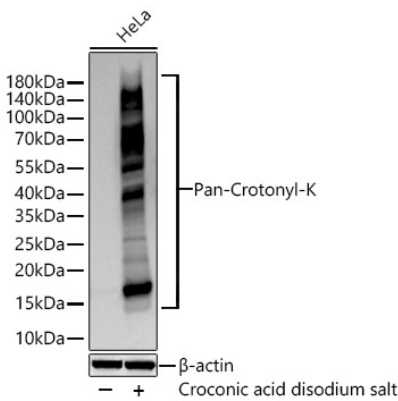
Affinity purification

Storage

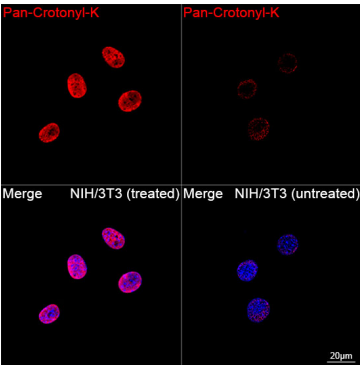
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

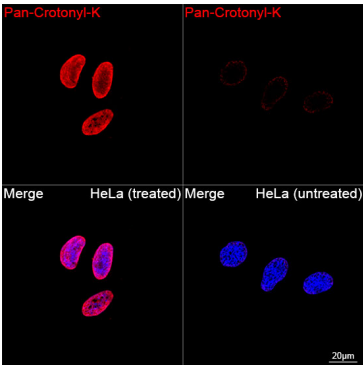
Validation Data



Western blot analysis of lysates from HeLa cells using Pan-Crotonyl-K Rabbit mAb (A27656) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated by Croconic acid disodium salt (100mM) for 6 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.



Confocal imaging of NIH/3T3 cells (treated with Sodium crotonate) and NIH/3T3 cells (untreated) using Pan-Crotonyl-K Rabbit mAb (A27656, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of HeLa cells (treated with Sodium crotonate) and HeLa cells (untreated) using Pan-Crotonyl-K Rabbit mAb (A27656, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.