

Pan-Succinyl-K Rabbit mAb

Catalog No.: A22228 **Recombinant**

Basic Information

Observed MW

10kDa-250kDa

Calculated MW

Category

Primary antibody

Applications

WB,IP,(ELISA)

Cross-Reactivity

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

CloneNo number

ARC55837

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. Succinylation is a posttranslational modification (PTM) where a succinyl group is added to a Lys (K) residue of a protein molecule. It has been shown that the lysine succinylation responds to different physiological conditions and is evolutional conserved. It has been identified 2,565 succinylation sites from 779 proteins and revealed that lysine succinylation have potential impacts on enzymes involved in mitochondrial metabolism including the amino acid degradation, tricarboxylic acid (TCA) cycle and fatty acid metabolism. The lysine succinylation also occurs in histones, suggesting that it may play an important role in regulating chromatin structures and functions as well.

Recommended Dilutions

WB 1:1000 - 1:5000

IP 0.5µg-4µg antibody for 200µg-600µg extracts of whole cells

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 succinylated K.

Synonyms

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

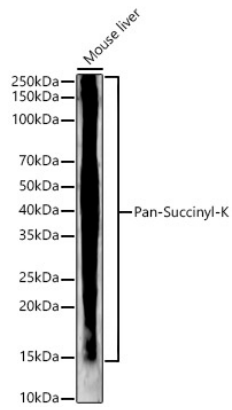
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Mouse liver, using Pan-Succinyl-K Rabbit mAb (A22228) at 1:2000 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: 180s.