

Pan-Succinyl-K Rabbit mAb

Catalog NO.: A22228 **Recombinant**

Basic Information

Observed MW

10kDa-250kDa/10kDa or above

Calculated MW

Category

Other Modified Antibodies

Applications

WB, IP, DB, ELISA

Cross-Reactivity

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

Conjugation

Unconjugated

Clone 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 responses to different physiological conditions and is evolutionary conserved .? It has benn 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

DB 1:500 -1:2000

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.

Contact

Immunogen Information

Gene ID

Swiss Prot

Immunogen

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

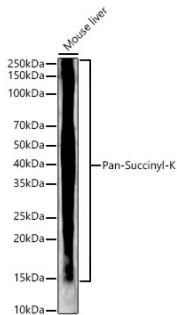
Synonyms

Product Information

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

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



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

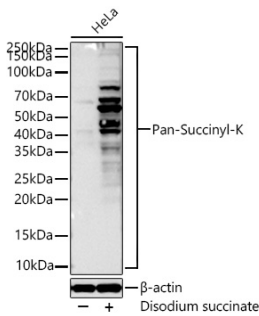
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of lysates from HeLa cells using Pan-Succinyl-K Rabbit mAb (A22228) at 1:1000 dilution incubated overnight at 4°C. HeLa cells were treated with Disodium succinate (100 nM) at 37°C for 24 hours.

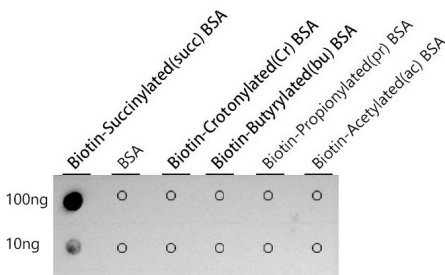
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Dot-blot analysis of all sorts of peptides using Pan-

Succinyl-K Rabbit mAb (A22228) at 1:1000 dilution.