

U-Blot[®] Pan-Succinyllysine Rabbit pAb (WT9009)

User Manual

General Information

Product name	U-Blot [®] Pan-Succinyllysine Rabbit pAb
Product No.	WT9009
Clonality	Polyclonal
Alternative name	Ksu

Key Features

Target	Succinyllysine
Reactivity	Species Independent
Applications	WB, IHC-P, ICC/IF, FC
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Lysine Acylation
Modification Site	Lys (K)
Purification	Protein A
Immunogen	Polypeptide

Storage Information

Storage	Store at -20°C. Avoid repeated freeze-thaw cycles
Stability	Stable for 12 months from date of receipt / reconstitution
Formulation	0.01% NaN ₃ , PBS, 60% Glycerol, BSA

Product Usage Information

Applications	Dilution	Recommended Species
WB	1:1000	All
IHC-P	1:100-1:200	Human, Mouse
ICC/IF	1:100-1:200	Human
FC	1:100-1:200	Human

Target Information

Background

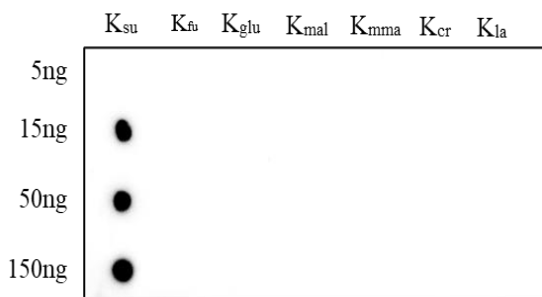
Succinyllysine (abbreviated as Ksucc) is an acylation-type post-translational modification occurring on lysine residues of proteins. By covalently attaching a succinyl group to the side chain of lysine, this modification markedly alters the charge and physicochemical properties of amino acid residues. Ksucc is widely distributed on both histone and non-histone proteins, and is critically involved in chromatin remodeling, gene transcription, energy metabolism, and mitochondrial function. It plays important regulatory roles in various pathological processes including cancer, metabolic diseases, and inflammatory responses, serving as a key target in the crosstalk between metabolism and epigenetics.

Cellular Localization

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Images

Dot Blot



Blocking buffer: 5% NFDm/TBST

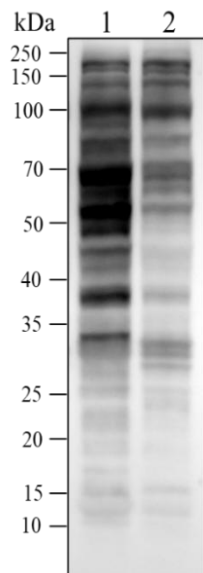
Primary antibody dilution: 1:2000

Primary antibody incubation condition: 2 hour at room temperature

Secondary antibody: Goat Anti-Rabbit IgG H&L (HRP)

Exposure time: 16 seconds

WB



Samples: 1 : 293T; 2 : HepG2

Protein loading amount: 20 µg

Gel concentration: 4 – 20% gradient gel

Blocking buffer: 5% NFDm/TBST

Primary antibody dilution: 1:1000

Primary antibody incubation: Overnight at 4°C

Secondary antibody: Goat Anti-Rabbit IgG H&L (HRP)

Exposure time: 50 seconds

Predicted band size: Multiple

Observed band size: Multiple

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