

U-Blot[®] Pan-2-Hydroxyisobutyryllysine Rabbit pAb (WT9007)

User Manual

General Information

Product name	U-Blot [®] Pan-2-Hydroxyisobutyryllysine Rabbit pAb
Product No.	WT9007
Clonality	Polyclonal
Alternative name	Khib

Key Features

Target	2-Hydroxyisobutyryllysine
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

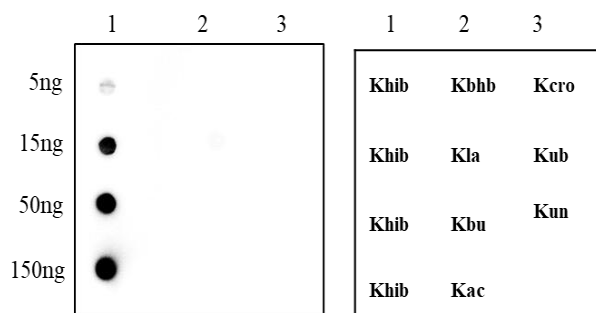
2-Hydroxyisobutyryllysine (Khib) is a novel lysine acylation type of post-translational modification identified on both histone and non-histone proteins. By adding a 2-hydroxyisobutyryl group to lysine residues, Khib participates in the regulation of chromatin structure, gene transcription activation, cellular metabolism, and stress responses. Accumulating evidence indicates that Khib plays critical roles in tumorigenesis, metabolic reprogramming, inflammation, and various disease processes, making it an important target in epigenetic and protein modification research.

Cellular Localization

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Images

Dot Blot



Note: The peptide loading amount for lanes 2 and 3 in the figure is 150 ng.

Blocking buffer: 5% NFDM/TBST

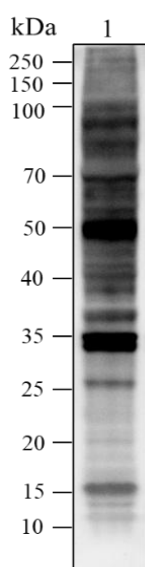
Primary antibody dilution: 1:2000

Primary antibody incubation condition: Overnight at 4°C

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

Exposure time: 22 seconds

WB



Samples (-): 1: 293T

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: 95 seconds

Predicted band size: Multiple

Observed band size: Multiple

For Research Use Only. Not for Use in Diagnostic Procedures.