

U-Blot[®] Pan-Acetyllysine Mouse mAb (WT9122)

User Manual

General Information

Product name	U-Blot [®] Pan-Acetyllysine Mouse mAb
Product No.	WT9122
Clonality	Monoclonal
Clone number	W-T87
Alternative name	Kac

Key Features

Target	Acetyllysine
Reactivity	Human, Mouse, Rat
Applications	WB, ICC/IF
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Mouse
Isotype	IgG
Conjugate	Unconjugated
Modification	Lysine acetylation
Modification Site	Lys (K)
Purification	Protein G and immunogen affinity purified
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	PBS, Glycerol, BSA

Product Usage Information

Applications	Dilution	Recommended Species
WB	1:1000	All
IHC-P	1:50	Human

Target Information

Background

Acetyllysine (abbreviated as Kac) is a classic and widespread post-translational modification of lysine acetylation. This modification covalently adds an acetyl group to the side-chain amino group of lysine residues, altering the charge and structure of proteins to regulate their functions. Lysine acetylation is an important epigenetic marker on histones, involved in chromatin remodeling and gene transcription regulation. It also widely exists in non-histone proteins such as metabolic enzymes, signaling proteins, and transcription factors, playing essential roles in cellular metabolism, signal transduction, cell cycle progression, and DNA repair. Dysregulation of lysine acetylation is closely associated with the development of cancer, metabolic diseases, neurodegenerative diseases, and other disorders.

Cellular Localization

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