U-Blot® Pan-Acetyllysine Rabbit pAb (WT9011)

User Manual

General Information

Product name	U-Blot® Pan-Acetyllysine Rabbit pAb
Product No.	WT9011
Clonality	Polyclonal
Alternative name	Kac

Key Features

Target	Acetyllysine
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 acetylation
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% NaN3, PBS, 60% Glycerol, BSA

Product Usage Information

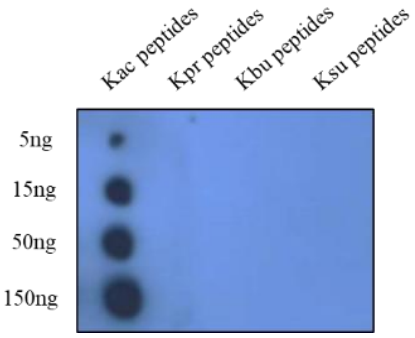
Applications	Dilution	Recommended Species
WB	1:1000-1:2000	All
IHC-P	1:100-1:200	Human, Mouse
ICC/IF	1:100-1:200	Human
FC	1:100-1:200	Human

Target Information

Background	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	/

Images

Dot Blot



Blocking buffer: 5% NFDM/TBST

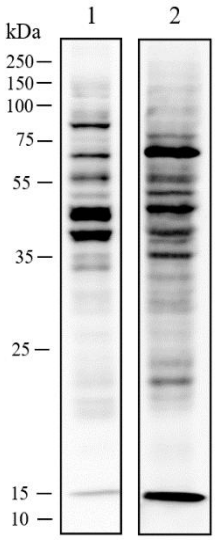
Primary antibody dilution: 1:2000

Primary antibody incubation condition: Overnight at 4℃

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

Exposure time: 60 seconds

WB



Samples:1：SW1116; 2: NCM460

Protein loading amount: 15 μg

Blocking buffer: 5% NFDM/TBST

Primary antibody dilution: 1:1500

Primary antibody incubation: Overnight at 4℃

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

Exposure time: 13 seconds

Predicted band size: Multiple

Observed band size: Multiple

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