

U-Blot[®] Pan-Di-Methyllysine Rabbit mAb-BSA and Azide free (WT9049R)

User Manual

General Information

Product name	U-Blot [®] Pan-Di-Methyllysine Rabbit mAb-BSA and Azide free
Product No.	WT9049R
Clonality	Recombinant monoclonal
Clone Number	W-R22
Alternative name	Kme2

Key Features

Target	Di-Methyllysine
Reactivity	Human, Mouse, Rat
Applications	WB
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Lysine Di-methylation
Modification Site	ϵ -amino group (N ϵ) of the lysine (Lys, K) side chain
Purification	Protein A
Immunogen	Polypeptide

Storage Information

Storage	Upon delivery centrifugate. Reconstitute with 100 μ L distilled water (1.0 mg/mL after restoration). Aliquot and store at -80 °C. Avoid 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

Target Information

Background	Di-Methyllysine (Kme2) is a crucial reversible post-translational modification of proteins, which occurs on the ϵ-amino group of lysine residues, including symmetric and asymmetric dimethylation forms. It is widely distributed in histones and non-histone proteins, and participates in regulating chromatin remodeling, gene transcription, RNA splicing, DNA damage repair, cell cycle progression and signal transduction. Aberrant lysine dimethylation is closely associated with tumorigenesis, inflammation, neurodegeneration and metabolic disorders, serving as a vital biomarker for epigenetic and pathological research.
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Cellular Localization	/
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For Research Use Only. Not for Use in Diagnostic Procedures.