

U-Blot[®] Pan-Asymmetric Di-Methyl Arginine Rabbit mAb (WT9041R)

User Manual

General Information

Product name	U-Blot [®] Pan-Asymmetric Di-Methyl Arginine Rabbit mAb
Product No.	WT9041R
Clonality	Recombinant monoclonal
Clone Number	W-R23
Alternative name	Rme2 (asy)

Key Features

Target	Asymmetric Di-Methyl Arginine
Reactivity	Human, Mouse, Rat
Applications	WB
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Asymmetric Dimethylation of Arginine
Modification Site	Arg (R)
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	PBS, Glycerol, BSA

Product Usage Information

Applications	Dilution	Recommended Species
WB	1:500-1:1000	All

Target Information

Histones and non-histone proteins undergo diverse enzyme-catalyzed post-translational modifications, including methylation, acetylation, phosphorylation and ubiquitination. Asymmetric dimethyl arginine (ADMA) is a classic arginine methylation modification, catalyzed mainly by type I protein arginine methyltransferases (PRMTs). ADMA modification is widely distributed in eukaryotic cells and enriched in chromatin-associated proteins, RNA-binding proteins and signaling molecules. It participates in regulating chromatin remodeling, gene transcription, RNA splicing, DNA damage repair and cell cycle progression. Abnormal ADMA level is closely associated with metabolic disorders, inflammatory response, tumor occurrence and progression, as well as cardiovascular and neurodegenerative diseases. It has become an important molecular marker and research target for epigenetic regulation and disease mechanism study.

Background

Cellular Localization

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