

U-Blot[®] Pan-O-GlcNAc Rabbit mAb-BSA and Azide free (WT9123R)

User Manual

General Information

Product name	U-Blot [®] Pan-O-GlcNAc Rabbit mAb-BSA and Azide free
Product No.	WT9123R
Clonality	Recombinant monoclonal
Clone number	W-R17

Key Features

Target	O-GlcNAc
Reactivity	Human, Mouse, Rat
Applications	WB
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	O-GlcNAcylation
Purification	Protein A
Immunogen	Polypeptide

Storage Information

Storage	Upon delivery centrifugate. Reconstitute with 100 µL 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, 50 % Glycerol, 0.05% BSA, 0.05% Proclin 300

Product Usage Information

Applications

Dilution

WB

1:1000

Target Information

Background

O-GlcNAc (short for O-linked β -N-acetylglucosamine) is a reversible enzymatic post-translational modification found on serine and threonine residues of nucleocytoplasmic proteins. The modification is characterized by a β -glycosidic bond between the hydroxyl group of serine or threonine side chains and N-acetylglucosamine (GlcNAc). It is widely involved in the regulation of diverse cellular processes, including transcription, cell cycle, signal transduction, and stress response. Dysregulation of O-GlcNAcylation has been closely linked to cancer, neurodegeneration, diabetes, and inflammatory diseases. Notably, elevated O-GlcNAc levels in many cancers have been reported to suppress apoptosis by inhibiting caspase activation.

Cellular Localization

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