

U-Blot[®] Pan-Serotonyl-Glutamine Rabbit pAb (WT9038)

User Manual

General Information

Product name	U-Blot [®] Pan-Serotonyl-Glutamine Rabbit pAb
Product No.	WT9038
Clonality	Polyclonal
Alternative name	

Key Features

Target	Serotonyl-Glutamine
Reactivity	Species Independent
Applications	WB, IHC-P, ICC/IF, FC
MW(Calculated)	Multiple
MW(Observed)	Multiple
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Glutamine serotonylation
Modification Site	Gln (Q)
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% NaN ₃ , PBS, 60% Glycerol, BSA

Product Usage Information

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

Target Information

Glutamine Serotonylation is a novel protein post-translational modification mediated by the neurotransmitter serotonin (5-hydroxytryptamine, 5-HT). Catalyzed by transglutaminases (TGases), this modification covalently conjugates serotonin to glutamine residues (Q) of target proteins, forming a stable Serotonyl-Glutamine linkage.

Background

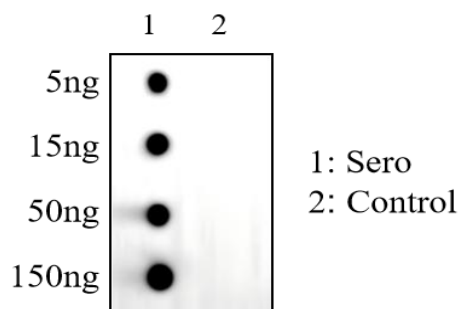
Serotonylation regulates the function of small GTPases, ion channels, cytoskeletal proteins, and various signaling proteins, and participates in critical physiological processes including cell secretion, contraction, migration, and signal transduction. It is closely associated with neural regulation, blood coagulation, inflammation, and the pathogenesis of multiple diseases, representing an important research area in post-translational modification studies.

Cellular Localization

/

Images

Dot Blot



Blocking buffer: 5% NFDM/TBST

Primary antibody dilution: 1:2000

Primary antibody incubation condition: 2 hour at room temperature

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

Exposure time: 30 seconds

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