

U-Blot[®] ULK1 (phospho S623) Rabbit mAb (WT9119)

User Manual

General Information

Product name	U-Blot [®] ULK1 (phospho S623) Rabbit mAb
Product No.	WT9119
Clonality	Recombinant monoclonal
Clone Number	W-R78
Alternative name	KIAA0722

Key Features

Target	Phospho-ULK1 (Ser623)
Reactivity	Human
Applications	WB
MW(Calculated)	113 kDa
MW(Observed)	130 kDa
Host Species	Rabbit
Isotype	IgG
Conjugate	Unconjugated
Modification	Phosphorylation
Modification Site	Ser623
Purification	Protein A affinity purification
Immunogen	Polypeptide
Specificity	Specific for ULK1 only when phosphorylated at Ser623

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	1:2000-4000	Human

Target Information

Gene name	ULK1
Protein name	Serine/threonine-protein kinase ULK1
Organism	Human
Gene ID	8408
SwissProt	O75385

Background

ULK1, also named as KIAA0722, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and APG1/unc-51/ULK1 subfamily. ULK1 is required for autophagosome formation. It forms a stable complex with Atg13 and focal adhesion kinase (FAK) family interacting protein of 200 kDa (FIP 200). ULK1 phosphorylates ATG13/KIAA0652. It is involved in axon growth. ULK1 plays an essential role in neurite extension of cerebellar granule cells. ULK1 represents a potential novel prognostic biomarker for HCC patients and may play an important role during the progression of HCC.

Cellular Localization	Cytoplasm
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