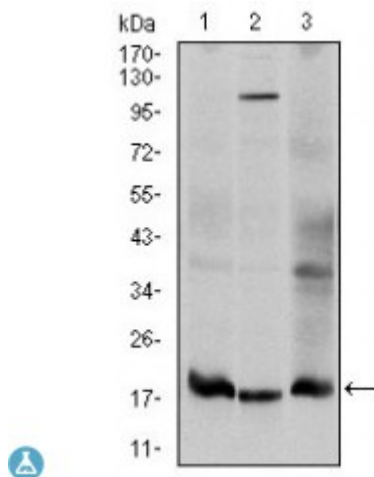


Anti-UBC9 antibody



Description	Mouse monoclonal to UBC9.
Model	STJ98444
Host	Mouse
Reactivity	Human
Applications	ELISA, FC, IF, IHC, WB
Immunogen	Purified recombinant fragment of human UBC9 expressed in E. Coli.
Gene ID	7329
Gene Symbol	UBE2I
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000FC 1:200-1:400ELISA 1:10000
Specificity	UBC9 Monoclonal Antibody detects endogenous levels of UBC9 protein.
Tissue Specificity	Expressed in heart, skeletal muscle, pancreas, kidney, liver, lung, placenta and brain. Also expressed in testis and thymus.
Purification	Affinity purification
Clone ID	1B10
Note	For Research Use Only (RUO).
Protein Name	SUMO-conjugating enzyme UBC9 RING-type E3 SUMO transferase UBC9 SUMO-protein ligase Ubiquitin carrier protein 9 Ubiquitin carrier protein I Ubiquitin-conjugating enzyme E2 I Ubiquitin-protein ligase I p18
Clonality	Monoclonal

Conjugation	Unconjugated
Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12485 OMIM:601661
Alternative Names	SUMO-conjugating enzyme UBC9 RING-type E3 SUMO transferase UBC9 SUMO-protein ligase Ubiquitin carrier protein 9 Ubiquitin carrier protein I Ubiquitin-conjugating enzyme E2 I Ubiquitin-protein ligase I p18
Function	Accepts the ubiquitin-like proteins SUMO1, SUMO2, SUMO3 and SUMO4 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2, CBX4 and ZNF451. Can catalyze the formation of poly-SUMO chains. Necessary for sumoylation of FOXL2 and KAT5. Essential for nuclear architecture and chromosome segregation. Sumoylates p53/TP53 at 'Lys-386'.
Cellular Localization	Nucleus. Cytoplasm. Mainly nuclear. In spermatocytes, localizes in synaptonemal complexes. Recruited by BCL11A into the nuclear body .
Post-translational Modifications	Phosphorylation at Ser-71 significantly enhances SUMOylation activity.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com