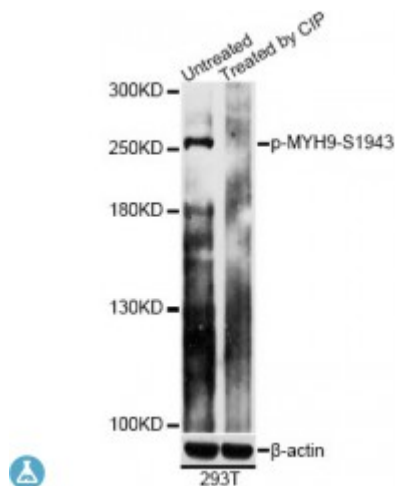


Anti-Phospho-MYH9-(S1943) Antibody



Description

This gene encodes a conventional non-muscle myosin; this protein should not be confused with the unconventional myosin-9a or 9b (MYO9A or MYO9B). The encoded protein is a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain which is involved in several important functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in this gene have been associated with non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness.

Model	STJ117900
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic phosphorylated peptide around S1943 of human MYH9 (NP_002464.1).
Gene ID	4627
Gene Symbol	MYH9
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	In the kidney, expressed in the glomeruli, Also expressed in leukocytes
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Myosin-9 Cellular myosin heavy chain type A Myosin heavy chain 9 Myosin heavy chain non-muscle IIa Non-muscle myosin heavy chain A NMMHC-A Non-muscle myosin heavy chain IIa NMMHC II-a NMMHC-IIA
Molecular Weight	226.532 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:7579OMIM:153640Reactome:R-HSA-2029482
Alternative Names	Myosin-9 Cellular myosin heavy chain type A Myosin heavy chain 9 Myosin heavy chain non-muscle IIa Non-muscle myosin heavy chain A NMMHC-A Non-muscle myosin heavy chain IIa NMMHC II-a NMMHC-IIA
Function	Cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping, During cell spreading, plays an important role in cytoskeleton reorganization, focal contacts formation (in the margins but not the central part of spreading cells), and lamellipodial retraction
Cellular Localization	Cytoplasm, cytoskeleton,
Post-translational Modifications	ISGylated,

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