

## Product datasheet for **TA378840S**

### myosin heavy chain 9 (MYH9) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho S1943
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S1943 of human MYH9 (NP_002464.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	159kDa/226kDa
Gene Name:	myosin, heavy chain 9, non-muscle
Database Link:	<a href="#">Entrez Gene 4627 Human P35579</a>

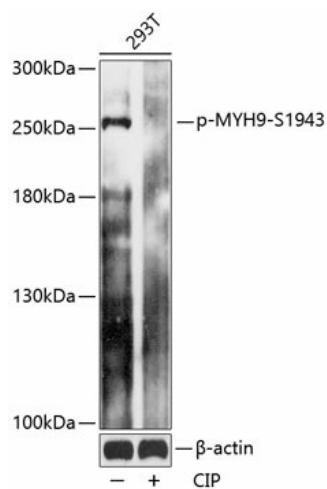
**Background:** This gene encodes a conventional non-muscle myosin; this protein should not be confused with the unconventional myosin-9a or 9b (MYO9A or MYO9B). The encoded protein is a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain which is involved in several important 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.



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Synonyms: DFNA17; EPSTS; FTNS; MGC104539; MHA; NMHC-II-A; NMMHC-A; NMMHC-IIA; NMMHCA

### Product images:



Western blot analysis of extracts of 293T cells, using Phospho-MYH9-S1943 antibody ([TA378840]) at 1:2000 dilution. 293T cell lysates were treated by CIP at 37°C for 1 hour. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% BSA. | Detection: ECL Enhanced Kit . | Exposure time: 30s.