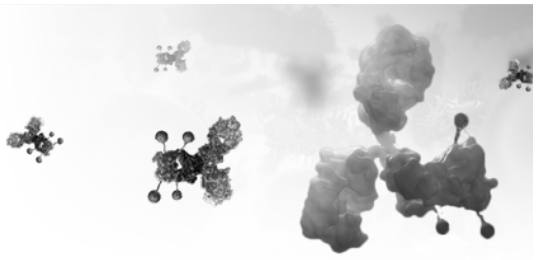

Anti-MYO7A (aa 2118-2213) polyclonal antibody (DPAB-DC1985)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the myosin gene family. Myosins are mechanochemical proteins characterized by the presence of a motor domain, an actin-binding domain, a neck domain that interacts with other proteins, and a tail domain that serves as an anchor. This gene encodes an unconventional myosin with a very short tail. Defects in this gene are associated with the mouse shaker-1 phenotype and the human Usher syndrome 1B which are characterized by deafness, reduced vestibular function, and (in human) retinal degeneration. Alternative splicing results in multiple transcript variants.
Immunogen	MYO7A (NP_000251, 2118 a.a. ~ 2213 a.a) partial recombinant protein with GST tag. The sequence is KQTTEPNFPEILLIAINKYGVSLIDPKTKDILTTHPFTKISNWSSGNTYFHITIGNLVRG SKLLCETSLGYKMDDLLTSYISQMLTAMSKQRGSRS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	MYO7A myosin VIIA [Homo sapiens (human)]
Official Symbol	MYO7A
Synonyms	MYO7A; myosin VIIA; DFNB2; MYU7A; NSRD2; USH1B; DFNA11; MYOVIIA; unconventional myosin-VIIa; myosin VIIA (Usher syndrome 1B (autosomal recessive, severe));
Entrez Gene ID	4647
Protein Refseq	NP_000251
UniProt ID	Q13402
Chromosome Location	11q13.5
Pathway	Disease; Signal Transduction; Visual phototransduction;
Function	ADP binding; ATP binding; actin filament binding; actin-dependent ATPase activity

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