



Anti-MYO1A (aa 944-1043) polyclonal antibody (DPAB-DC1984)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the myosin superfamily. The protein represents an unconventional myosin; it should not be confused with the conventional skeletal muscle myosin-1 (MYH1). Unconventional myosins contain the basic domains characteristic of conventional myosins and are further distinguished from class members by their tail domains. They function as actin-based molecular motors. Mutations in this gene have been associated with autosomal dominant deafness. Alternatively spliced variants have been found for this gene.
Immunogen	MYO1A (NP_005370, 944 a.a. ~ 1043 a.a) partial recombinant protein with GST tag. The sequence is SVTSLKDGLFSLHLSEMSSVGSKGDFLLVSEHVIELLTKMYRAVLDATQRQLTVTVTEKF SVRFKENSVAVKVVQGPAGGDNSKLRYKKKGSHCLETVQ
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

Gene Name	MYO1A myosin IA [Homo sapiens (human)]
Official Symbol	MYO1A
Synonyms	MYO1A; myosin IA; BBMI; MIHC; MYHL; DFNA48; unconventional myosin-IA; myosin I heavy chain; brush border myosin I; myosin, heavy polypeptide-like (100kD);
Entrez Gene ID	4640
Protein Refseq	NP_001242970
UniProt ID	B2R643
Chromosome Location	12q13-q14
Function	ATP binding; actin binding; calmodulin binding; motor activity
