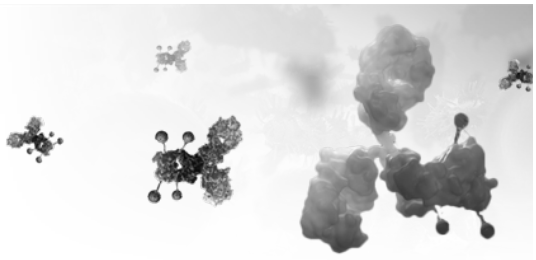

Human MYH14 peptide (DAG-P0768)

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 a conventional non-muscle myosin; it should not be confused with the unconventional myosin-14 (MYO14). Myosins are actin-dependent motor proteins with diverse functions including regulation of cytokinesis, cell motility, and cell polarity. Mutations in this gene result in one form of autosomal dominant hearing impairment. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Specificity	High levels of expression are found in small intestine, colon and skeletal muscle. Expression is low in organs composed mainly of smooth muscle, such as aorta, uterus and urinary bladder. No detectable expression is found in thymus, spleen, placenta and l
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 IQ domain.Contains 1 myosin head-like domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MYH14 myosin, heavy chain 14, non-muscle [Homo sapiens (human)]
Official Symbol	MYH14
Synonyms	MYH14; myosin, heavy chain 14, non-muscle; DFNA4; MHC16; MYH17; PNMHH; DFNA4A;

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	myosin; FP17425; NMHC II-C; NMHC-II-C; myosin-14; MYH14 variant protein; myosin, heavy polypeptide 14; non-muscle myosin heavy chain IIc; nonmuscle myosin heavy chain II-C; myosin heavy chain, non-muscle IIc;
Entrez Gene ID	79784
mRNA Refseq	NM_001077186.1
Protein Refseq	NP_001070654.1
UniProt ID	B3KWH4
Chromosome Location	19q13.33
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, conserved biosystem; Salmonella infection, organism-specific biosystem; Salmonella infection, conserved biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem; Semaphorin interactions, organism-specific bio
Function	ATP binding; contributes_to actin filament binding; contributes_to actin-dependent ATPase activity; calmodulin binding; microfilament motor activity;

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