HMMR Antibody

PRODUCT OVERVIEW

Product Name	HMMR, Antibody
Full Product Name	HMMR Antibody
Product Gene Name	anti-HMMR antibody
Molecular Weight	74,495 Da
OMIM	600936
3D Structure	ModBase 3D Structure for O75330
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-HMMR antibody	MBS8505080 is an antibody targeting HMMR. Also known as HMMR Antibody.
Other Notes	Small volumes of anti-HMMR antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HMMR. It may not necessarily be applicable to this product.

NCBI GI #	217272802
NCBI GeneID	3161
NCBI Accession #	NP_001136028.1
UniProt Primary Accession #	O75330
UniProt Secondary Accession #	Q32N02; Q92767; A8K3G2; B4E114; D3DQK9; D3DQL0; E9PCS0
UniProt Related Accession #	O75330
GenBank Nucleotide #	NM_001142556.1
NCBI Official Full Name	hyaluronan mediated motility receptor isoform a
NCBI Official Synonym Full Names	hyaluronan mediated motility receptor
NCBI Official Symbol	HMMR
NCBI Official Synonym Symbols	CD168; IHABP; RHAMM
UniProt Protein Name	Hyaluronan mediated motility receptor
UniProt Synonym Protein Names	Intracellular hyaluronic acid-binding protein; Receptor for hyaluronan-mediated motility; CD_antigen: CD168
Protein Family	Hyaluronan mediated motility receptor
UniProt Gene Name	HMMR
UniProt Synonym Gene Names	IHABP; RHAMM
NCBI Protein Information	hyaluronan mediated motility receptor

NCBI Summary for HMMR	The protein encoded by this gene is involved in cell motility. It is expressed in breast tissue and together with other proteins, it forms a complex with BRCA1 and BRCA2, thus is potentially associated with higher risk of breast cancer. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Dec 2008]
UniProt Comments for HMMR	Receptor for hyaluronic acid (HA) (). Involved in cell motility (). When hyaluronan binds to HMMR, the phosphorylation of a number of proteins, including PTK2/FAK1 occurs. May also be involved in cellular transformation and metastasis formation, and in regulating extracellular-regulated kinase (ERK) activity. May act as a regulator of adipogenisis ().
Research Articles on HMMR	**1.** The ability to enhance cell polarity through the application of this dielectrophoretic (DEP) electromagnetic field (EMF) force may offer another way to stabilize HMMR and differentially modulate its expression in cancerous and noncancerous cells.
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