

Rabbit anti-Human HMMR Polyclonal Antibody | anti-HMMR antibody

HMMR Antibody (C-term)

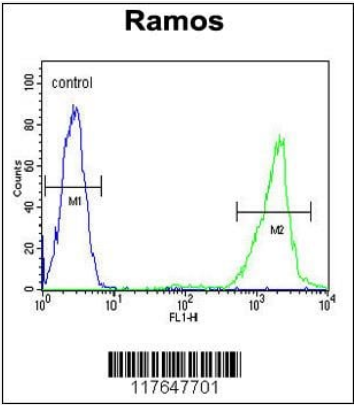
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289959	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

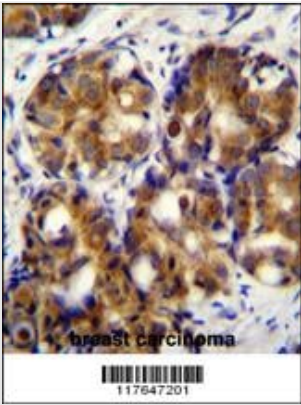
HMMR; Polyclonal Antibody; HMMR Antibody (C-term); Hyaluronan mediated motility receptor; Intracellular hyaluronic acid-binding protein; Receptor for hyaluronan-mediated motility; CD168; IHABP; RHAMM; anti-HMMR antibody

PRODUCT SPECIFICATIONS

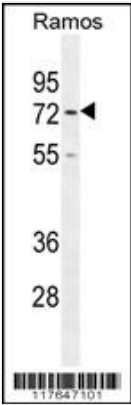
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HMMR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 668-697 amino acids from the C-terminal region of human HMMR.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	668-697
Applicable Applications for anti-HMMR antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Function	Receptor for hyaluronic acid (HA) (By similarity). Involved in cell motility (By similarity). 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 adipogenesis (By similarity).
Cellular Location	Cell surface {ECO:0000250 UniProtKB:Q00547}. Cytoplasm {ECO:0000250 UniProtKB:Q00547}
Tissue Location	Expressed in breast cancer cell lines and in normal breast tissue
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



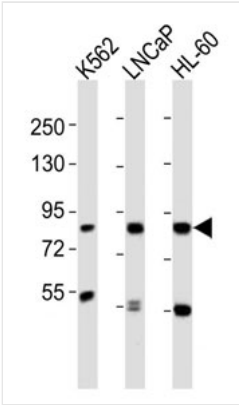
FCM/FACS (Flow Cytometry)
HMMR Antibody (C-term) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
HMMR Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HMMR Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
HMMR Antibody (C-term) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the HMMR antibody detected the HMMR protein (arrow).



WB (Western Blot)
All lanes : Anti-HMMR Antibody (C-term) at 1:2000 dilutionLane 1: K562 whole cell lysatesLane 2: LNCaP whole cell lysatesLane 3: HL-60 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 84 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-HMMR antibody	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.
Product Categories/Family for anti-HMMR antibody	Cancer; Developmental biology; Signal transduction
References	Huang, T.W., et al. Biomaterials 31(26):6701-6709(2010) Nagel, S., et al. Exp. Hematol. 38(1):38-45(2010) Gust, K.M., et al. Neoplasia 11(9):956-963(2009) Shigeishi, H., et al. Int. J. Oncol. 34(6):1565-1571(2009) Luczynski, W., et al. Neoplasma 56(5):428-434(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	217272802
NCBI GeneID	3161
NCBI Accession #	NP_001136028.1; NP_001136029.1; NP_036616.2; NP_036617.2

NCBI GenBank Nucleotide #	NM_001142556.1
UniProt Accession #	O75330 ; Q32N02 ; Q92767 ; A8K3G2 ; B4E114 ; D3DQK9 ; D3DQL0 ; E9PCS0
NCBI Official Full Name	hyaluronan mediated motility receptor isoform a
NCBI Official Synonym Full Names	hyaluronan-mediated motility receptor (RHAMM)
NCBI Official Symbol	HMMR
NCBI Official Synonym Symbols	CD168; IHABP; RHAMM
NCBI Protein Information	hyaluronan mediated motility receptor
UniProt Protein Name	Hyaluronan mediated motility receptor
UniProt Gene Name	HMMR
UniProt Synonym Gene Names	IHABP; RHAMM
UniProt Entry Name	HMMR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hmmr-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289959>