

**HMMR Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11771b****Specification**

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**HMMR Antibody (C-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">O75330</a>
Other Accession	<a href="#">NP_036616.2</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	668-697

**HMMR Antibody (C-term) - Additional Information****Gene ID** 3161**Other Names**

Hyaluronan mediated motility receptor, Intracellular hyaluronic acid-binding protein, Receptor for hyaluronan-mediated motility, CD168, HMMR, IHABP, RHAMM

**Target/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.

**Dilution**

WB~~1:2000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HMMR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HMMR Antibody (C-term) - Protein Information****Name** HMMR

**Synonyms** IHABP, RHAMM

**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. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q00547}

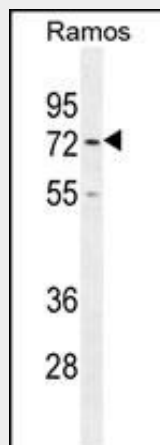
**Tissue Location**

Expressed in testis (PubMed:22965910). Expressed in the breast (PubMed:8890751).

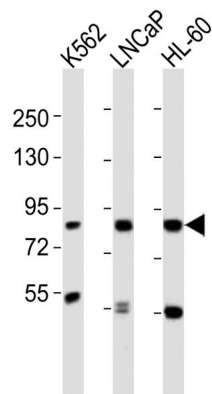
**HMMR Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

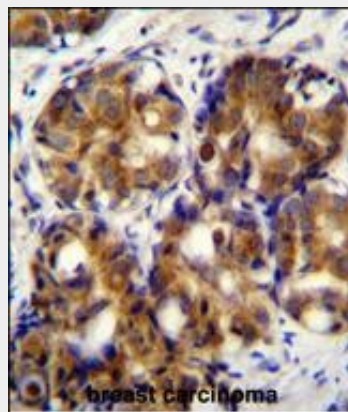
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HMMR Antibody (C-term) - Images**

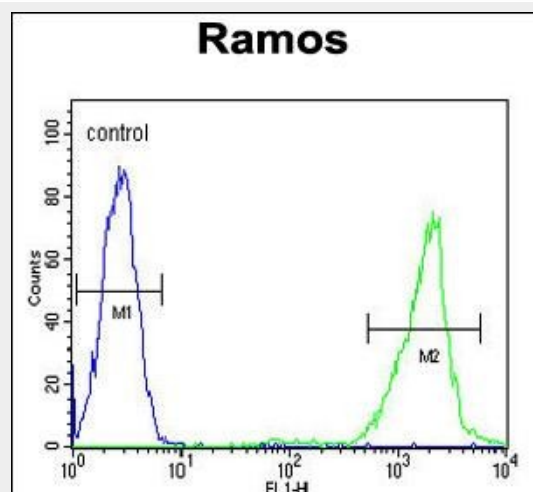
HMMR Antibody (C-term) (Cat. #AP11771b) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the HMMR antibody detected the HMMR protein (arrow).



All lanes : Anti-HMMR Antibody (C-term) at 1:2000 dilution Lane 1: K562 whole cell lysates Lane 2: LNCaP whole cell lysates Lane 3: HL-60 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 84 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



HMMR Antibody (C-term) (Cat. #AP11771b) 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.



HMMR Antibody (C-term) (Cat. #AP11771b) 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.

#### **HMMR Antibody (C-term) - Background**

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.

#### **HMMR Antibody (C-term) - 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. Neoplasia 56(5):428-434(2009)