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# HMMR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11771b

## Product Information

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| **Application** | WB, IHC-P, FC, E |
| **Primary Accession** | O75330 |
| **Other Accession** | NP_036616.2 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB17647 |
| **Calculated MW** | 84100 |
| **Antigen Region** | 668-697 |

## Additional Information

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| **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~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **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. |

## Protein Information

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| **Name** | HMMR |
| **Synonyms** | IHABP, RHAMM |

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| **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 adipogenisis (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). |

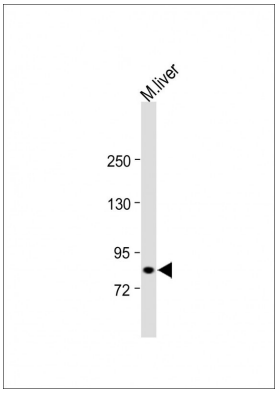
## Background

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.

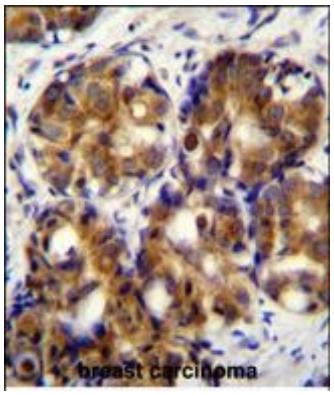
## References


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)

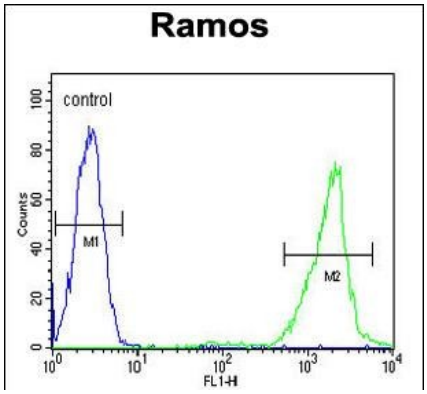

## Images




All lanes : Anti-HMMR Antibody (C-term) at 1:1000 dilution Lane 1: mouse liver tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/15000 dilution. Observed band size : 84kDa 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.