

Datasheet for ABIN7601892
anti-HMMR antibody (AA 5-686)



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Overview

Quantity:	100 µg
Target:	HMMR
Binding Specificity:	AA 5-686
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMMR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-CD168/HMMR Picoband® Antibody
Immunogen:	E.coli-derived human CD168/HMMR recombinant protein (Position: K5-D686).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-/HMMR Picoband® Antibody (ABIN7601892). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HMMR
Alternative Name:	HMMR (HMMR Products)
Background:	Synonyms: Hyaluronan mediated motility receptor, Intracellular hyaluronic acid-binding protein, Receptor for hyaluronan-mediated motility, CD168, HMMR, IHABP, RHAMM Tissue Specificity: May be up-regulated in bone metastatic breast cancer cells. Background: Hyaluronan-mediated motility receptor (HMMR), also known as RHAMM (Receptor for Hyaluronan Mediated Motility) is a protein which in humans is encoded by the HMMR gene. It is mapped to 5q34. 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.
Molecular Weight:	84 kDa
Gene ID:	3161
UniProt:	O75330
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human 1. Pujana, M. A., Han, J.-D. J., Starita, L. M., Stevens, K. N., Tewari, M., Ahn, J. S., Rennert, G., Moreno, V., Kirchhoff, T., Gold, B., Assmann, V., ElShamy, W. M., and 22 others. Network modeling links breast cancer susceptibility and centrosome dysfunction. <i>Nature Genet.</i> 39: 1338-1349, 2007. 2. Savani, R. C., Wang, C., Yang, B. H., Zhang, S. W., Kinsella, M. G., Wight, T. N., Stern, R., Nance, D. M., Turley, E. A. Migration of bovine aortic smooth muscle cells after wounding injury: the role of hyaluronan and RHAMM. <i>J. Clin. Invest.</i> 95: 1158-1168, 1995. 3. Spicer, A. P., Roller, M. L., Camper, S. A., McPherson, J. D., Wasmuth, J. J., Hakim, S., Wang, C., Turley, E. A., McDonald, J. A. The human and mouse receptors for hyaluronan-mediated motility, RHAMM, genes (HMMR) map to human chromosome 5q33.2-qter and mouse chromosome 11. <i>Genomics</i> 30: 115-117, 1995.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.