

Anti-CD168/HMMR Antibody

Catalog Number: PA1592

About HMMR

HMMR, Hyaluronan-mediated motility receptor, is a protein which in humans is encoded by the HMMR gene. RHAMM was originally discovered as a soluble protein that altered migratory cell behavior and bound to hyaluronan, HMMR is less well studied than the main hyaluronan (HA) receptor, CD44. In contrast to CD44 and other cell-surface receptors which contain the classical membrane spanning domain and signal sequence for secretion from the endoplasmic reticulum/Golgi complex, HMMR does not contain a membrane spanning domain nor does the mRNA transcript contain a signal sequence. HMMR normally is localized inside the cell and is only release by certain, poorly defined stimuli. The transport of HMMR to the extracellular space still is unclear but may involve transport channels or proteins, flippase activity, or exocytosis. Intracellularly, HMMR associates with microtubules and, working with BRCA1 and BARD1, plays a role in the regulation of mitosis. Extracellularly, HMMR associates with CD44, and upon binding to HA, activates intracellular signaling pathways. Variants of HMMR caused by alternative splicing have been observed, but not thoroughly studied.

Overview

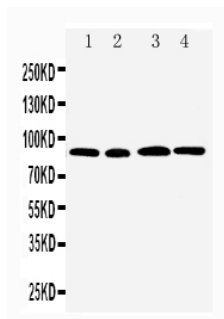
Product Name	Anti-CD168/HMMR Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD168/HMMR Antibody catalog # PA1592. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	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.
Host	Rabbit
Uniprot ID	O75330

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CD168.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

Anti-CD168/HMMR Antibody (PA1592) Images



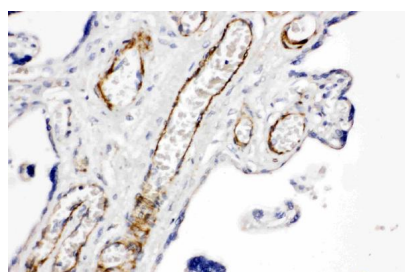
Anti-CD168 antibody, PA1592, Western blotting

Lane 1: MM231 Cell Lysate

Lane 2: MM453 Cell Lysate

Lane 3: HELA Cell Lysate

Lane 4: A549 Cell Lysate



Anti-CD168 antibody, PA1592, IHC(P)

IHC(P): Human Placenta Tissue

1 Publications Citing This Product

1. PubMed ID: 23926537, RHAMM Expression in the Rat Endometrium during the Estrous Cycle and following Implantation

Visit bosterbio.com/anti-cd168-antibody-pa1592-boster.html to see all 1 publications.

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