HMMR-Specific Polyclonal Antibody

Catalog Number: 15820-1-AP

Basic Information

Catalog Number: 15820-1-AP
Size: 50 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification

GenBank Accession Number: NM_001142556
GeneID (NCBI): 3161
Full Name: hyaluronan-mediated motility receptor (RHAMM)
Calculated MW: 84 kDa
Observed MW: 70 kDa

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:50-1:500
IF: 1:10-1:100

Applications

Tested Applications: FC, IF, IHC, WB, ELISA
Cited Applications: FC, WB
Species Specificity: human, mouse, rat
Cited Species: mouse, rat

Note: suggested antigen retrieval with TE buffer pH 9.0; alternative antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:
WB: mouse brain tissue; IHC: human tonsillitis tissue; IF: HepG2 cells

Background Information

HMMR, also named RHAMM, is a hyaluronan receptor expressed in various tissues. It is involved in regulation of focal contacts and subsequent motility, thus playing roles in wound healing and tumor metastasis. Remarkably different molecular masses of RHAMM have been published. Antibodies raised against RHAMM have been reported to recognize proteins of 56, 66 and 70 kDa in the supernatant of murine 3T3 fibroblasts (PMID: 2440472). Some of the isoforms detectable by anti-RHAMM antibodies, including the 52 kDa form and a 48-49 kDa form found in 10T1/2 cells, have been speculated to be underglycosylated precursor forms of the mature RHAMM protein (PMID: 1705559).

Notable Publications

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<th>Author</th>
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<tr>
<td>Vishwanatha K Rao</td>
<td>30317586</td>
<td>J Cell Physiol</td>
<td>WB</td>
</tr>
<tr>
<td>Fan Zhou</td>
<td>27225119</td>
<td>Nature</td>
<td>FC</td>
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Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Mouse brain tissue were subjected to SDS PAGE followed by western blot with 15820-1-AP (HMMR-specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of HepG2 cells, using HMMR antibody 15820-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit (goat IgG, red).

Immunofluorescent analysis of HepG2 cells, using HMMR antibody 15820-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit (goat IgG, red).

Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 15820-1-AP (HMMR-Specific Antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 15820-1-AP (HMMR-Specific Antibody) at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

1X10^6 HepG2 cells were stained with 0.2ug HMMR-Specific antibody (15820-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) with dilution 1:1500.