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Anti-CD168 Antibody

Catalog # AP51928

Product Information

Application	WB, IHC
Primary Accession	O75330
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84100

Additional Information

Gene ID	3161
Other Names	IHCABP; RHAMM; Hyaluronan mediated motility receptor; Intracellular hyaluronic acid-binding protein; Receptor for hyaluronan-mediated motility; CD168
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD168. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

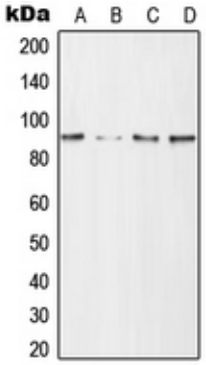
Protein Information

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 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).

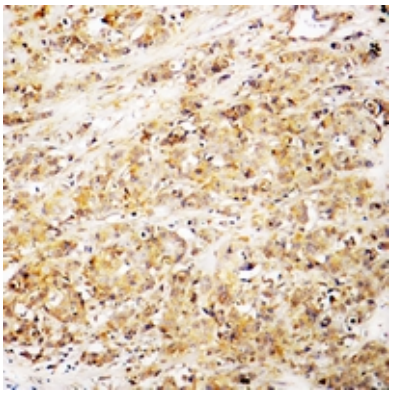
References

Wang C.,et al.Gene 174:299-306(1996).
Assmann V.,et al.J. Cell Sci. 111:1685-1694(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Schmutz J.,et al.Nature 431:268-274(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of CD168 expression in HeLa (A), NIHC3T3 (B), mouse brain (C), H9C2 (D) whole cell lysates. (Predicted band size: 84 kD; Observed band size: 85 kD)



Immunohistochemical analysis of CD168 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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