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CD168 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2068a

Product Information

Application	WB, FC, E
Primary Accession	O75330
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2F2C9
Isotype	IgG1
Calculated MW	84100
Description	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.
Immunogen	Purified recombinant fragment of human CD168 (AA: 306-497) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	3161
Other Names	Hyaluronan mediated motility receptor, Intracellular hyaluronic acid-binding protein, Receptor for hyaluronan-mediated motility, CD168, HMMR, IHABP, RHAMM
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CD168 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

1.PLoS One. 2013 Sep 17;8(9):e75681.2.BMC Cancer. 2011 Mar 24;11:106.

Images