

CD168 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2068a**Specification****CD168 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	O75330
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	84.1kDa KDa

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

CD168 Antibody - 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

E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

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.

CD168 Antibody - 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 adipogenesis (By similarity).

Cellular Location

Cell surface {ECO:0000250|UniProtKB:Q00547}. Cytoplasm {ECO:0000250|UniProtKB:Q00547}. Cytoplasm, cytoskeleton, spindle {ECO:0000250|UniProtKB:Q00547}

Tissue Location

Expressed in testis (PubMed:22965910). Expressed in the breast (PubMed:8890751).

CD168 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)