

For Research Use Only

Nectin 2 Polyclonal antibody

Catalog Number: 10100-2-AP **1 Publications**



Basic Information

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|--|---|--|
| Catalog Number: 10100-2-AP | GenBank Accession Number: BC003091 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 5819 | Recommended Dilutions: WB 1:200-1:1000 |
| Source: Rabbit | UNIPROT ID: Q92692 | |
| Isotype: IgG | Full Name: poliovirus receptor-related 2 (herpesvirus entry mediator B) | |
| Immunogen Catalog Number: AG0149 | Calculated MW: 58 kDa | |

Applications

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|---|---|
| Tested Applications: WB, ELISA | Positive Controls: WB : mouse kidney tissue, 3T3-L1 cells, mouse heart tissue |
| Cited Applications: WB, IF | |
| Species Specificity: human, mouse | |
| Cited Species: monkey | |

Background Information

Poliovirus receptor-related 2 (herpesvirus entry mediator B) (PVRL2, synonyms: HVEB, PRR2, CD112, PVRR2) is an adhesion molecule widely expressed in cell lines of different lineages, including hematopoietic, neuronal, endothelial and epithelial cells. CD112 belongs to a new family of immunoglobulin-like molecules that includes four members (CD111, CD112, PRR3 and CD155) sharing an ectodomain made of three Ig domains, of V, C, C types. CD112 is expressed in the myelo-monocytic and megakaryocytic hematopoietic lineages and the function in hematopoiesis is currently unknown. CD112 is an intercellular homophilic adhesion. CD112 localizes specifically at adherens junctions via its cytoplasmic interaction with the scaffold F-actin binding protein afadin. This interaction is mediated by a sequence located to the C terminal ends of both isoforms of CD112 (A/ExYV) and the PDZ domain of afadin. This sequence is also found in CD112 and PRR3 and represents a specific consensus in the family, which is also named nectin family. Disruption of the murine CD112 gene leads to infertility of male mice with morphologically aberrant spermatozoa. CD112 mediates entry of some alphaherpesvirus mutants (also named HveB) via its V domain. CD112 is involved in cell to cell spreading of viruses

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|-----------------|-------------|
| Dudak Amanda A | 21371776 | Eur J Cell Biol | WB,IF |

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

*** 20ul sizes contain 0.1% BSA

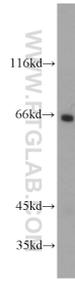
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Selected Validation Data



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 10100-2-AP (Nectin 2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.