

Recombinant Anti-CD112 Rabbit mAb

Catalog # AP95269

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	Q92692
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	57742

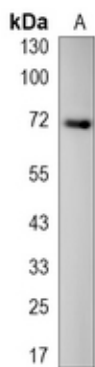
Additional Information

Gene ID	5819
Other Names	HVEB; PRR2; Poliovirus receptor-related protein 2; Herpes virus entry mediator B; Herpesvirus entry mediator B; HveB; Nectin-2; CD112
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human CD112 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

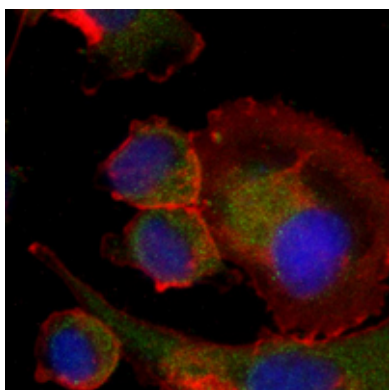
Protein Information

Name	NECTIN2 (HGNC:9707)
Synonyms	HVEB, PRR2, PVRL2
Function	Modulator of T-cell signaling. Can be either a costimulator of T-cell function, or a coinhibitor, depending on the receptor it binds to. Upon binding to CD226, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Upon interaction with PVRIG, inhibits T-cell proliferation. These interactions are competitive (PubMed: 26755705). Probable cell adhesion protein (PubMed: 9657005).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Ubiquitous.

Images



Western blot analysis of CD112 expression in SW480 (A) whole cell lysates. (Predicted band size: 58 kD; Observed band size: 62-75 kD)



Immunofluorescent analysis of CD112 staining in SW480 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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