Recombinant Rhesus Monkey CDH2 Protein, hIgG4-tagged

Cat. No. CDH2-1742R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus monkey CDH2 Protein (XP_014977198 (aa.160-724)) was expressed in human HEK293 cells with hIgG4 tag.
Species	Rhesus macaque
Source	HEK293
ProteinLength	160-724 a.a.
Description	N-cadherin, also known as Cadherin-2 (CDH2) or neural cadherin (NCAD),a classical cadherin from the cadherin superfamily, composed of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. N-cadherin, as well as other cadherins, interact with N-cadherin on an adjacent cell in an anti-parallel conformation, thus creating a linear, adhesive "zipper". between cells. Cadherin-2 acts as a regulator of neural stem cells quiescence by mediating anchorage of neural stem cells to ependymocytes in the adult subependymal zone: upon cleavage by MMP24, CDH2-mediated anchorage is affected, leading to modulate neural stem cell quiescence. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density. In cardiac muscle, N-cadherin is an integral component in adherens junctions residing at intercalated discs, which function to mechanically and electrically couple adjacent cardiomyocytes.
Form	PBS, pH7.4.

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Purity	> 95 %
Applications	ELISA; WB; Immunogen
Storage	-80 centigrade, Avoid freeze/thaw cycle.
Concentration	1 mg/mL

GENE INFORMATION

Gene Name	CDH2 cadherin 2 [Macaca mulatta (Rhesus monkey)]
Official Symbol	CDH2
Synonyms	CDH2; cadherin 2; type 1; N-cadherin (neuronal); NCAD; cadherin-2; CD325; CDHN; N cadherin; N-cadherin 1; neural cadherin; neural-cadherin; cadherin 2; N-cadherin (neuronal); calcium-dependent adhesion protein; neuronal; CDw325;
Gene ID	711526
mRNA Refseq	XM_015121712.1
Protein Refseq	XP_014977198

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