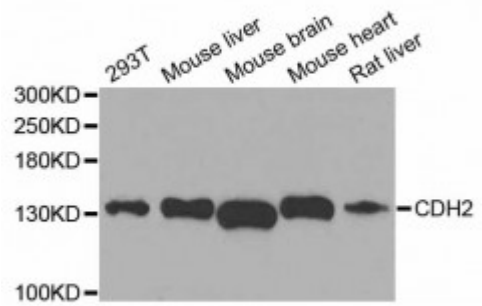
Anti-CDH2 Antibody



Description	This gene encodes a classical cadherin and member of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein is proteolytically processed to generate a calcium-dependent cell adhesion molecule and glycoprotein. This protein plays a role in the establishment of left-right asymmetry, development of the nervous system and the formation of cartilage and bone.

Model	STJ114884
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IHC, WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 750-850 of human CDH2 (NP_001783.2).
Gene ID	1000
Gene Symbol	CDH2
Dilution range	WB 1:500 - 1:2000 IHC 1:50 - 1:100
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Cadherin-2 CDw325 Neural cadherin N-cadherin CD antigen CD325
Molecular Weight	99.809 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:1759OMIM:114020Reactome:R-HSA-375170
Alternative Names	Cadherin-2 CDw325 Neural cadherin N-cadherin CD antigen CD325
Function	Cadherins are calcium-dependent cell adhesion proteins, They preferentially interact with themselves in a homophilic manner in connecting cells
Cellular Localization	Cell membrane
Post-translational Modifications	Cleaved by MMP24, Ectodomain cleavage leads to the generation of a soluble 90 kDa amino-terminal soluble fragment and a 45 kDa membrane-bound carboxy-terminal fragment 1 (CTF1), which is further cleaved by gamma-secretase into a 35 kDa, Cleavage in neural stem cells by MMP24 affects CDH2-mediated anchorage of neural stem cells to ependymocytes in the adult subependymal zone, leading to modulate neural stem cell quiescence ,