

## M-cadherin Polyclonal Antibody

<b>Catalog No :</b>	YT2677
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	M-cadherin
<b>Fields :</b>	>>Cell adhesion molecules
<b>Gene Name :</b>	CDH15
<b>Protein Name :</b>	Cadherin-15
<b>Human Gene Id :</b>	1013
<b>Human Swiss Prot No :</b>	P55291
<b>Mouse Gene Id :</b>	12555
<b>Mouse Swiss Prot No :</b>	P33146
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CDH15. AA range:81-130
<b>Specificity :</b>	M-cadherin Polyclonal Antibody detects endogenous levels of M-cadherin protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 89kD

**Cell Pathway :** Cell adhesion molecules (CAMs);

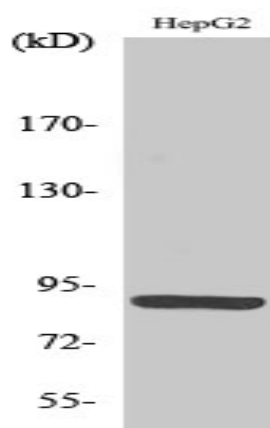
**Background :** This gene is a member of the cadherin superfamily of genes, encoding calcium-dependent intercellular adhesion glycoproteins. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Transcripts from this particular cadherin are expressed in myoblasts and upregulated in myotubule-forming cells. The protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation. [provided by RefSeq, Jul 2008],

**Function :** disease:A chromosomal aberration involving CDH15 and KIRREL3 is found in a patient with severe mental retardation and dysmorphic facial features. Translocation t(11;16)(q24.2;q24).,disease:Defects in CDH15 are the cause of mental retardation autosomal dominant type 3 (MRD3) [MIM:612580]. Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period.,function:Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. M-cadherin is part of the myogenic program and may provide a trigger for terminal muscle differentiation.,similarity:Contains 5 cadherin domains.,tissue specificity:Expressed in the brai

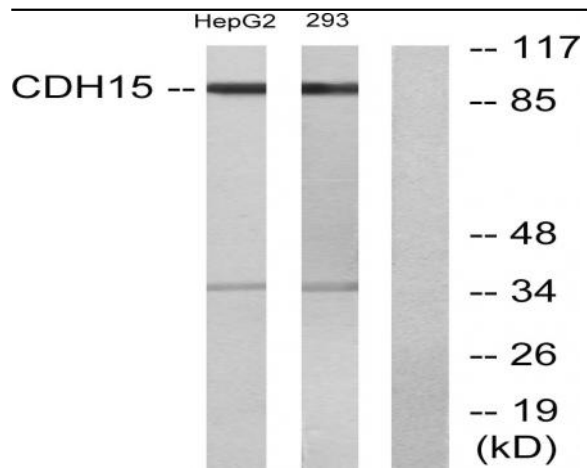
**Subcellular Location :** Cell membrane; Single-pass type I membrane protein.

**Expression :** Expressed in the brain and cerebellum.

## Products Images



Western Blot analysis of various cells using M-cadherin Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HepG2 and 293 cells, using CDH15 Antibody. The lane on the right is blocked with the synthesized peptide.