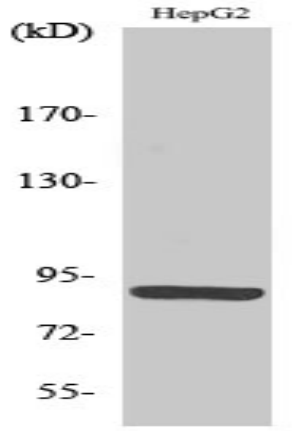
Best Tools for immunology Research

M-cadherin Polyclonal Antibody

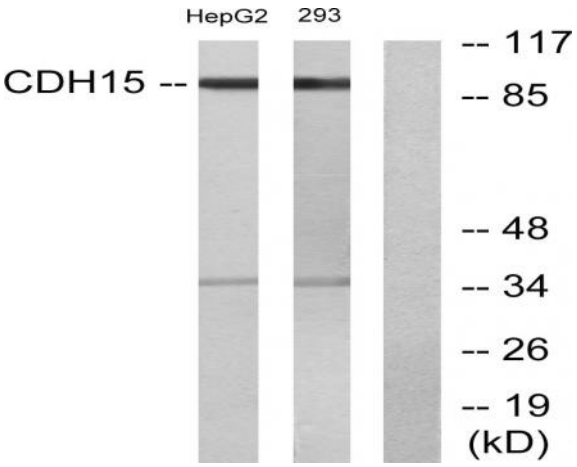
Catalog No :	YT2677
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	M-cadherin
Fields :	>>Cell adhesion molecules
Gene Name :	CDH15
Protein Name :	Cadherin-15
Human Gene Id :	1013
Human Swiss Prot No :	P55291
Mouse Gene Id :	12555
Mouse Swiss Prot No :	P33146
Immunogen :	The antiserum was produced against synthesized peptide derived from human CDH15. AA range:81-130
Specificity :	M-cadherin Polyclonal Antibody detects endogenous levels of M-cadherin protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	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.
Tag :	hot
Sort :	9443
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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.