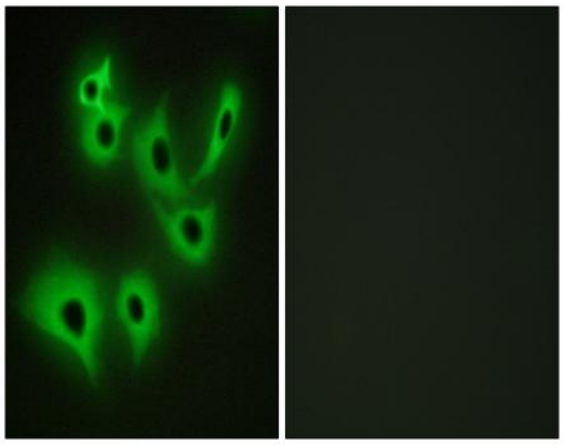
Best Tools for immunology Research

R-cadherin Polyclonal Antibody

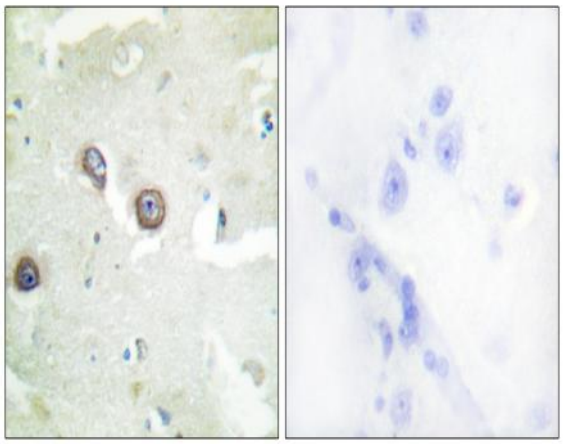
Catalog No :	YT4030
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	R-cadherin
Fields :	>>Cell adhesion molecules
Gene Name :	CDH4
Protein Name :	Cadherin-4
Human Gene Id :	1002
Human Swiss Prot No :	P55283
Mouse Gene Id :	12561
Mouse Swiss Prot No :	P39038
Immunogen :	The antiserum was produced against synthesized peptide derived from human CDH4. AA range:731-780
Specificity :	R-cadherin Polyclonal Antibody detects endogenous levels of R-cadherin protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
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)
Molecularweight :	100kD
Cell Pathway :	Cell adhesion molecules (CAMs);
Background :	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011],
Function :	function:Cadherins are calcium dependent cell adhesion proteins.,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. May play an important role in retinal development.,similarity:Contains 5 cadherin domains.,tissue specificity:Expressed mainly in brain but also found in other tissues.,
Subcellular Location :	Cell membrane; Single-pass type I membrane protein.
Expression :	Expressed mainly in brain but also found in other tissues.
Sort :	14059
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

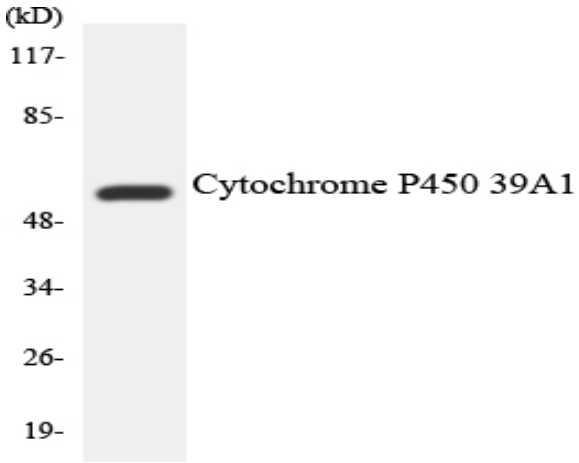
Products Images



Immunofluorescence analysis of A549 cells, using CDH4 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CDH4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using Cytochrome P450 2D6 antibody.