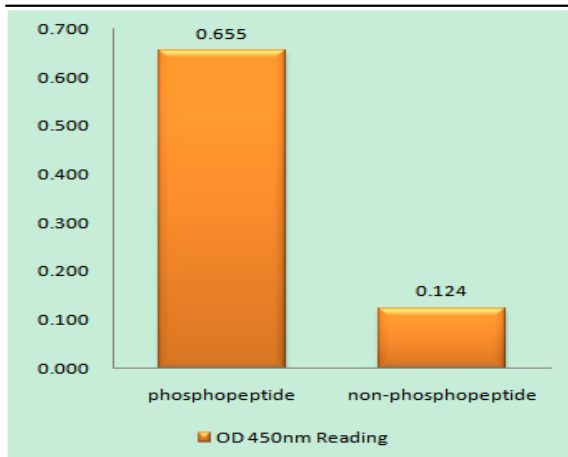


VE-Cadherin (phospho Tyr731) Polyclonal Antibody

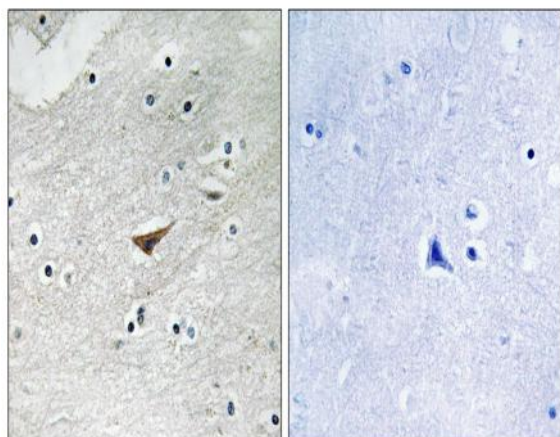
Catalog No :	YP0808
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	VE-Cadherin
Fields :	>>Cell adhesion molecules;>>Leukocyte transendothelial migration;>>Fluid shear stress and atherosclerosis
Gene Name :	CDH5
Protein Name :	Cadherin-5
Human Gene Id :	1003
Human Swiss Prot No :	P33151
Mouse Gene Id :	12562
Mouse Swiss Prot No :	P55284
Immunogen :	The antiserum was produced against synthesized peptide derived from human VE-Cadherin around the phosphorylation site of Tyr731. AA range:697-746
Specificity :	Phospho-VE-Cadherin (Y731) Polyclonal Antibody detects endogenous levels of VE-Cadherin protein only when phosphorylated at Y731.
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: 1:20000.. 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 :	130kD
Cell Pathway :	Cell adhesion molecules (CAMs);Leukocyte transendothelial migration;
Background :	<p>This gene encodes a classical cadherin of the cadherin superfamily. The encoded preprotein is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classical cadherin by imparting to cells the ability to adhere in a homophilic manner, this protein plays a role in endothelial adherens junction assembly and maintenance. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. [provided by RefSeq, Nov 2015],</p>
Function :	<p>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. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton.,similarity:Contains 5 cadherin domains.,subcellular location:Found at cell-cell boundaries and probably at cell-matrix boundaries.,tissue specificity:Endothelial tissues and brain.,</p>
Subcellular Location :	<p>Cell junction . Cell membrane ; Single-pass type I membrane protein . Found at cell-cell boundaries and probably at cell-matrix boundaries. KRIT1 and CDH5 reciprocally regulate their localization to endothelial cell-cell junctions. .</p>
Expression :	Endothelial tissues and brain.

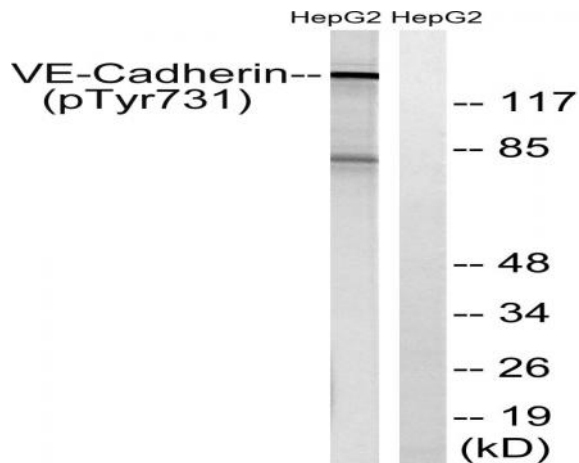
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using VE-Cadherin (Phospho-Tyr731) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using VE-Cadherin (Phospho-Tyr731) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with Na₃VO₄ 0.3mM 40', using VE-Cadherin (Phospho-Tyr731) Antibody. The lane on the right is blocked with the phospho peptide.