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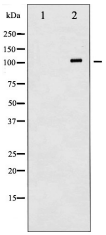
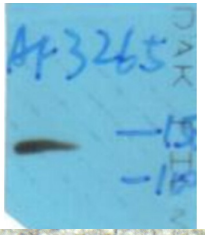
Phospho-VE-Cadherin (Tyr731) Ab

Cat.#: AF3265	Concn.: 1mg/ml	Mol.Wt.: 130kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

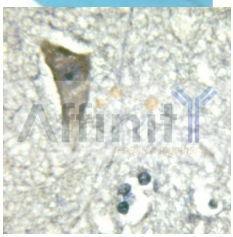
Application:	WB 1:500-1:2000 IHC 1:50-1:200
Reactivity:	Human,Mouse
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-VE-Cadherin (Tyr731) Ab detects endogenous levels of VE-Cadherin only when phosphorylated at Tyrosine 731
Immunogen:	A synthesized peptide derived from human VE-Cadherin around the phosphorylation site of Tyrosine 731
Uniprot:	P33151
Description:	This gene is a classical cadherin from the cadherin superfamily and is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer.
Subcellular Location:	Cell junction. Cell membrane. Found at cell-cell boundaries and probably at cell-matrix boundaries.
Tissue Specificity:	Endothelial tissues and brain.
Similarity:	Three calcium ions are usually bound at the interface of each cadherin domain and rigidify the connections, imparting a strong curvature to the full-length ectodomain.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt



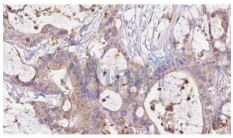
Western blot analysis of VE-Cadherin phosphorylation expression in Na3VO4 treated HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



Western blot analysis of Phospho-VE-Cadherin (Tyr731) Ab expression in Na3VO4 treated HepG2 cells lysates.The lane on the right is treated with the antigen-specific peptide.



AF3265 at 1/100 staining human brain tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 34°C



AF3265 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.