

Anti- VE-Cadherin (Phospho-Tyr731) Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
A100308-01	50 µl
A100308-02	100 µl

Specificity	Anti- VE-Cadherin (Phospho-Tyr731) (human mouse)
Source	Rabbit Polyclonal
Application	WB ELISA IHC
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: P33151

Other Names: 7B4 antigen; CADH5; Cadherin-5; CD144 antigen; Vascular endothelial-cadherin precursor; VE-cadherin

Specificity and Sensitivity

VE-Cadherin (Phospho-Tyr731) antibody detects endogenous levels of VE-Cadherin only when phosphorylated at tyrosine 731.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human VE-Cadherin around the phosphorylation site of tyrosine 731 (H-I-Y^P-G-Y). The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100 ELISA: 1:20000

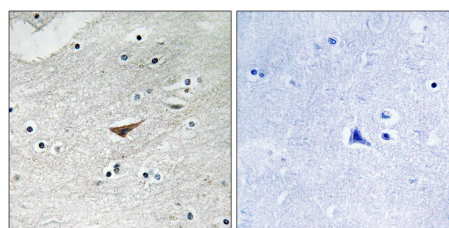
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

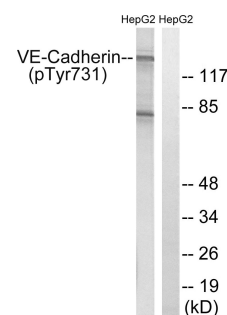
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human brain tissue using VE-Cadherin (Phospho-Tyr731) antibody.



Na₃VO₄ + +
P-peptide - +

Western blot analysis of extracts from HepG2 cells, treated with Na₃VO₄ (0.3mM, 40mins), using VE-Cadherin (Phospho-Tyr731) antibody.