Datasheet for ABIN1532109

# anti-Cadherin 5 antibody (pTyr731)

2 Images

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | Cadherin 5 (CDH5) |
| Binding Specificity: | AA 697-746, pTyr731 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Cadherin 5 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

## Product Details

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|---|---|
| Immunogen: | The antiserum was produced against synthesized peptide derived from human VE-Cadherin around the phosphorylation site of Tyr731. |
| Isotype: | IgG |
| Specificity: | VE-Cadherin (Phospho-Tyr731) Antibody detects endogenous levels of VE-Cadherin only when phosphorylated at Tyr731.<br>PhosphorylationH:Y731 M:Y731 |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity: | > 95 % |

## Target Details

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|---|---|
| Target: | Cadherin 5 (CDH5) |
| Alternative Name: | VE-Cadherin (CDH5 Products) |
| Background: | Synonyms: 7B4 antigen, CADH5, Cadherin-5, CD144 antigen, Vascular endothelial-cadherin precursor, VE-cadherin<br>NCBI Gene Symbol: CDH5 |
| Molecular Weight: | 87 kDa |
| Gene ID: | 1003 |
| OMIM: | 601120 |
| UniProt: | P33151 |
| Pathways: | Cell-Cell Junction Organization, Signaling Events mediated by VEGFR1 and VEGFR2 |

## Application Details

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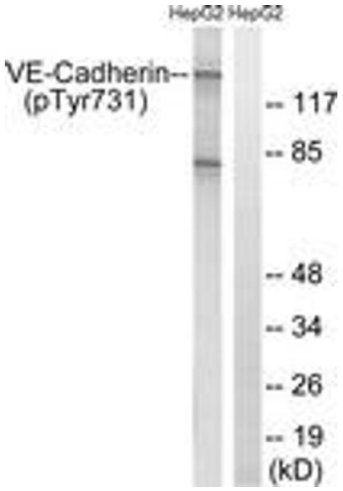
|---|---|
| Application Notes: | WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:20000 |
| Comment: | Unigene-Number: Hs.76206 (NCBI Gene Symbol: CDH5) |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Stable at -20°C for at least 1 year. |
| Expiry Date: | 12 months |




## Western Blotting

**Image 1.** Western blot analysis of extracts from HepG2 cells treated with Na3VO4 0.3mM 40', using VE-Cadherin (Phospho-Tyr731) Antibody. The lane on the right is treated with the synthesized peptide.

## Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human brain, using VE-Cadherin (Phospho-Tyr731) Antibody. The picture on the right is treated with the synthesized peptide.