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# PCDH7 Rabbit pAb

Catalog # AP97504

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | O60245 |
| **Other Accession** | O60245 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Pig, Dog, Horse, Sheep |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 116071 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human PCDH7 |
| **Epitope Specificity** | 431-530/1069 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Contains 7 cadherin domains. |
| **Post-translational modifications** | Isoform C is phosphorylated upon DNA damage, probably by ATM or ATR. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | As a subfamily of the cadherin superfamily, protocadherins are cadherin-like cell adhesion proteins that contain up to seven extracellular domains and are predominantly expressed in the nervous system. Importantly, the adhesion mechanism of protocadherins is distinct from classic cadherins. Through inactivation or overexpression, several protocadherins have been implicated in a variety of cancers. PCDH7 (protocadherin 7), also known as BHPCDH or BH-Pcdh, is a 1069 amino acid single-pass I membrane protein that is expressed in the brain and heart. Containing seven cadherin domains, PCDH7 is thought to function in cell-cell recognition and adhesion. PCDH7 exists as three isoforms due to alternative splicing events. |

## Additional Information

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| **Gene ID** | 5099 |
| **Other Names** | BH-Pcdh; BHPCDH; PPP1R120; PCDH7_HUMAN; PCDH7; Brain-heart protocadherin (BH-Pcdh); protocadherin 7; BH-protocadherin (brain-heart); protein phosphatase 1, regulatory subunit 120 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody |

is stable for at least two weeks at 2-4 °C.

## Protein Information

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| **Name** | PCDH7 |
| **Synonyms** | BHPCDH |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein |
| **Tissue Location** | Expressed predominantly in brain and heart and at lower levels in various other tissues |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.