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Datasheet for ABIN7148511 anti-CPNE1 antibody (AA 326-537)

Image



Overview

| Quantity: | 100 µL |
|----------------------|--------------------------------------|
| Target: | CPNE1 |
| Binding Specificity: | AA 326-537 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CPNE1 antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC) |

Product Details

| Immunogen: | Recombinant Human Copine-1 protein (326-537AA) |
|-------------------|--|
| lsotype: | lgG |
| Cross-Reactivity: | Human |
| Purification: | Antigen Affinity Purified |

Target Details

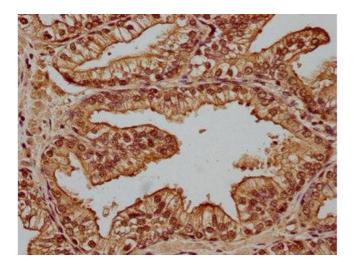
| Target: | CPNE1 |
|-------------------|--|
| Alternative Name: | CPNE1 (CPNE1 Products) |
| Background: | Background: Calcium-dependent phospholipid-binding protein that plays a role in calcium- |
| | mediated intracellular processes (PubMed:14674885). Involved in the TNF-alpha receptor |

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| | signaling pathway in a calcium-dependent manner (PubMed:14674885). Exhibits calcium- |
|----------|---|
| | dependent phospholipid binding properties (PubMed:9430674, PubMed:19539605). Plays a role |
| | in neuronal progenitor cell differentiation, induces neurite outgrowth via a AKT-dependent |
| | signaling cascade and calcium-independent manner (PubMed:23263657, PubMed:25450385). |
| | May recruit target proteins to the cell membrane in a calcium-dependent manner |
| | (PubMed:12522145). May function in membrane trafficking (PubMed:9430674). Involved in |
| | TNF-alpha-induced NF-kappa-B transcriptional repression by inducing endoprotease |
| | processing of the transcription factor NF-kappa-B p65/RELA subunit (PubMed:18212740). Also |
| | induces endoprotease processing of NF-kappa-B p50/NFKB1, p52/NFKB2, RELB and REL |
| | (PubMed:18212740). |
| | Aliases: Copine 1 antibody, Copine I antibody, Copine-1 antibody, Copine1 antibody, Copinel |
| | antibody, COPN 1 antibody, COPN1 antibody, CPN 1 antibody, CPN1 antibody, CPNE 1 antibody, |
| | CPNE1 antibody, CPNE1_HUMAN antibody, MGC1142 antibody |
| UniProt: | Q99829 |

Application Details

| Application Notes: | Recommended dilution: IHC:1:20-1:200, |
|--------------------|--|
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Buffer: | Preservative: 0.03 % Proclin 300 |
| | Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4 |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be |
| | handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |



Immunohistochemistry

Image 1. IHC image of ABIN7148511 diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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