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Datasheet for ABIN2855997

anti-PRKACA antibody (Center)

4 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | PRKACA |
| Binding Specificity: | Center |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PRKACA antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-----------------------------|---|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human PKA C alpha. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Rat (Rattus), Dog (Canine), Sheep (Ovine), Cow (Bovine) |
| Cross-Reactivity (Details): | Rat (100 %), Dog (100 %), Sheep (100 %), Bovine (100 %) |
| Characteristics: | Rabbit Polyclonal antibody to PKA C alpha (protein kinase, cAMP-dependent, catalytic, alpha) PKA C alpha antibody [N2C3] |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

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|-------------------|---|
| Target: | PRKACA |
| Alternative Name: | PKA C alpha (PRKACA Products) |
| Background: | <p>CAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been observed.</p> <p>Cellular Localization: Cytoplasm (By similarity) , Nucleus (By similarity)</p> |
| Molecular Weight: | 41 kDa |
| Gene ID: | 5566 |
| Pathways: | NF-kappaB Signaling , Hedgehog Signaling , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Thyroid Hormone Synthesis , Carbohydrate Homeostasis , Myometrial Relaxation and Contraction , M Phase , G-protein mediated Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Interaction of EGFR with phospholipase C-gamma , Thromboxane A2 Receptor Signaling , VEGFR1 Specific Signals , Lipid Metabolism , SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection |

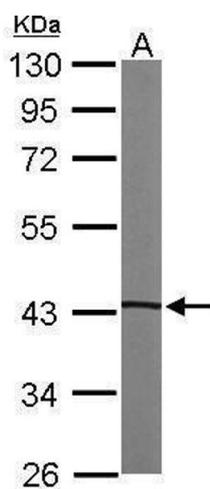
Application Details

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|--------------------|--|
| Application Notes: | <p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*</p> |
| Comment: | Positive Control: HeLa , Jurkat , NT2D1 , mouse brain |
| Restrictions: | For Research Use only |

Handling

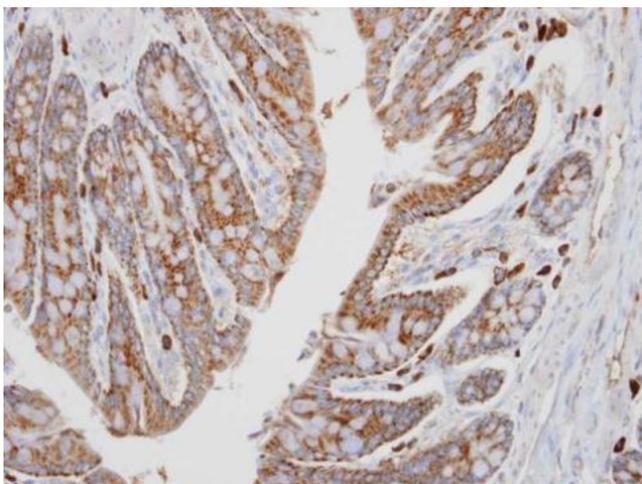
| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.38 mg/mL |
| Buffer: | 0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative. |
| Preservative: | Thimerosal (Merthiolate) |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |

Images



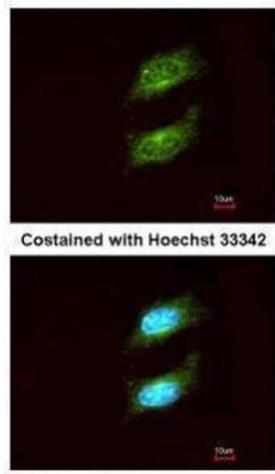
Western Blotting

Image 1. WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 10% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon, using PKA alpha, antibody at 1:100 dilution.



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using PKA alpha, antibody at 1:200 dilution.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855997.