Datasheet for ABIN2856375

anti-AKAP10 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	AKAP10
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human AKAP10. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Cross-Reactivity (Details):	Mouse (85 %), Rat (85 %)
Characteristics:	Rabbit Polyclonal antibody to AKAP10 (A kinase (PRKA) anchor protein 10) AKAP10 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	AKAP10

Target Details

Alternative Name:	AKAP10 (AKAP10 Products)
Background:	The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein interacts with both the type I and type II regulatory subunits of PKA, therefore, it is a dual-specific AKAP. This protein is highly enriched in mitochondria. It contains RGS (regulator of G protein signalling) domains, in addition to a PKA-RII subunit-binding domain. The mitochondrial localization and the presence of RGS domains may have important implications for the function of this protein in PKA and G protein signal transduction. Cellular Localization: Mitochondrion , Membrane , Cytoplasm
Molecular Weight:	74 kDa
Gene ID:	11216
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* 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*
Comment:	Positive Control: Synthetic peptide: 1:8,000
Restrictions:	For Research Use only

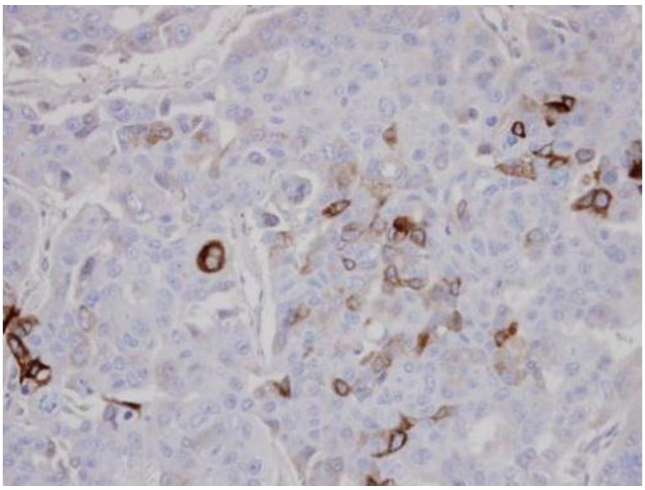
Handling

Format:	Liquid
Concentration:	0.35 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.

Handling

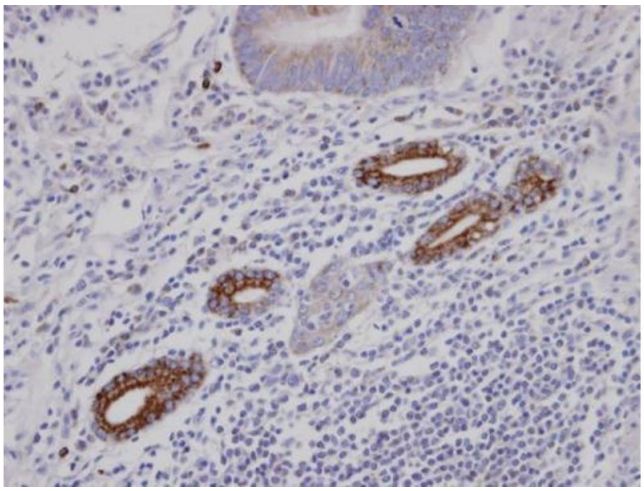
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #101762 for Western Blotting (WB)



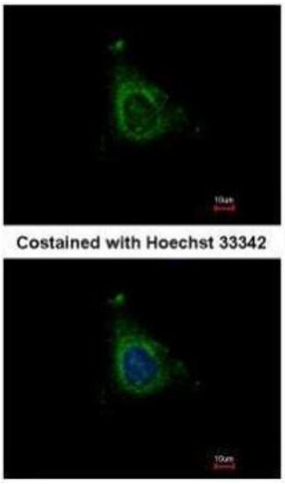
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human OVCAR3, using AKAP10, antibody at 1:100 dilution.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human gastric cancer, using AKAP10, antibody at 1:100 dilution.



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using AKAP10, antibody at 1:500 dilution.