

Product datasheet for **TA308653**

AKAP10 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000
Reactivity:	Human (Predicted: Mouse, Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region within amino acids 600 and 662 of AKAP10 (Uniprot ID#O43572)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	74 kDa
Gene Name:	A-kinase anchoring protein 10
Database Link:	NP_009133 Entrez Gene 56697 Mouse Entrez Gene 360540 Rat Entrez Gene 11216 Human O43572



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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. [provided by RefSeq]

Synonyms:

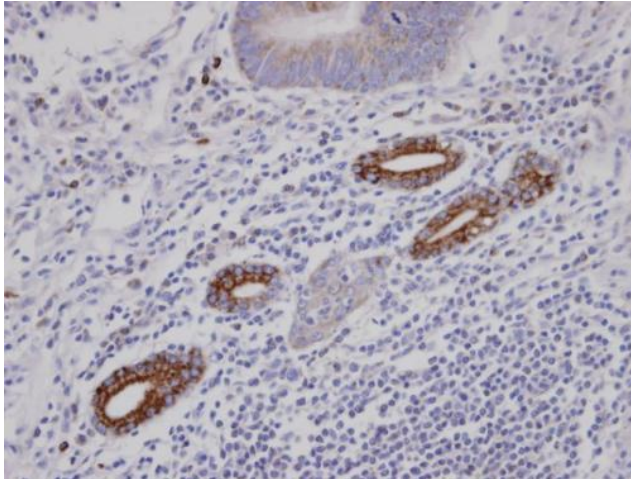
AKAP-10; D-AKAP-2; D-AKAP2; PRKA10

Note:

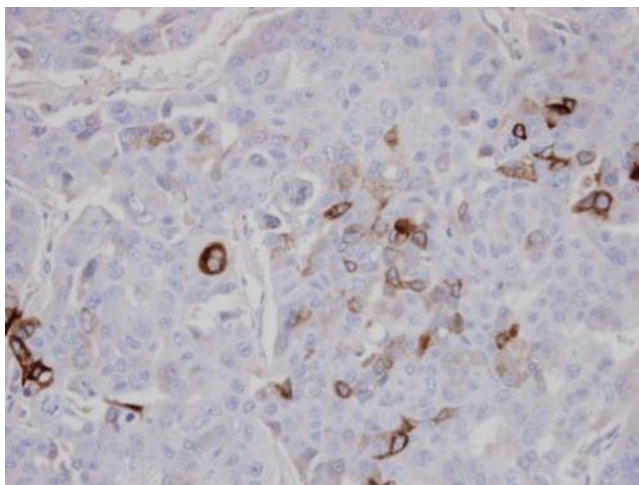
Seq homology of immunogen across species: Mouse (85%), Rat (85%)

Protein Families:

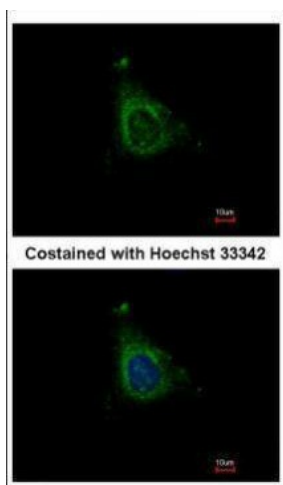
Druggable Genome

Product images:

Immunohistochemical analysis of paraffin-embedded T (gastric CA), using AKAP10 (TA308653) antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded OVCAR3, using AKAP10 (TA308653) antibody at 1:100 dilution.



Immunofluorescence analysis of methanol-fixed HeLa, using AKAP10 (TA308653) antibody at 1:500 dilution.