

Product Information

Size:

50ul

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:200-1:1000,
IHC:1:20-1:200

Protein Background:

Differentially targeted protein that binds to type I and II regulatory subunits of protein kinase A and anchors them to the mitochondria or the plasma membrane. Although the physiological relevance between PKA and AKAPS with mitochondria is not fully understood, one idea is that BAD, a proapoptotic member, is phosphorylated and inactivated by mitochondria-anchored PKA. It cannot be excluded too that it may facilitate PKA as well as G protein signal transduction, by acting as an adapter for assembling multiprotein complexes. With its RGS domain, it could lead to the interaction to G-alpha proteins, providing a link between the signaling machinery and the downstream kinase.

Gene ID:

AKAP10

Uniprot

O43572

Synonyms:

A-kinase anchor protein 10, mitochondrial (AKAP-10) (Dual specificity A kinase-anchoring protein 2) (D-AKAP-2) (Protein kinase A-anchoring protein 10) (PRKA10), AKAP10

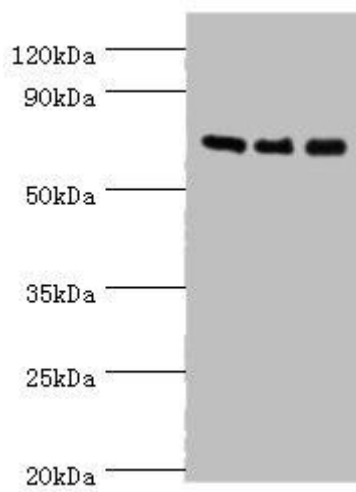
Immunogen:

Recombinant Human A-kinase anchor protein 10, mitochondrial protein (413-662AA).

Storage:

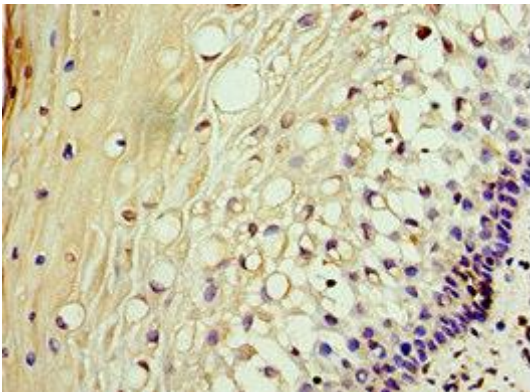
PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images

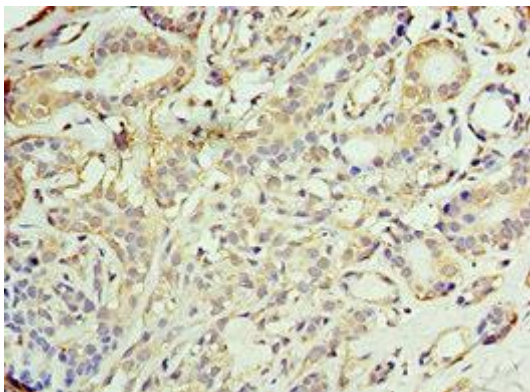


Western blot.

All lanes: AKAP10 antibody at 7 μ g/ml. Lane 1: 293T whole cell lysate. Lane 2: HeLa whole cell lysate. Lane 3: HepG2 whole cell lysate. Secondary: Goat polyclonal to rabbit IgG at 1/10000 dilution. Predicted band size: 74 kDa. Observed band size: 74 kDa.



Immunohistochemistry of paraffin-embedded human cervical cancer using PACO43805 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human breast cancer using PACO43805 at dilution of 1:100.