abcam

Product datasheet

Anti-AKAP12 antibody - C-terminal ab198895

2 References 2 Images

Overview

Product name	Anti-AKAP12 antibody - C-terminal
Description	Rabbit polyclonal to AKAP12 - C-terminal
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human AKAP12 (C terminal). Gene Accession: NP_005091. Database link: **Q02952**
Positive control	HT29 cell lysate and Human brain tissue.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab198895 in the following tested applications.

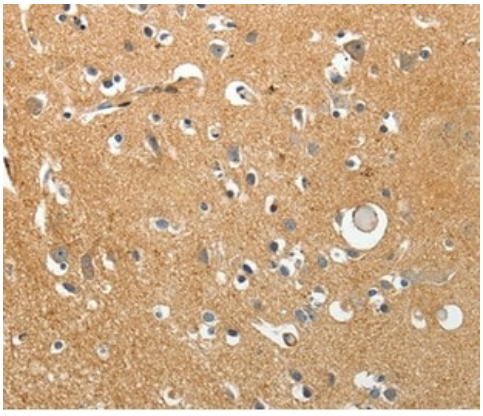
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/200.
WB		1/200 - 1/1000. Predicted molecular weight: 191 kDa.

Target

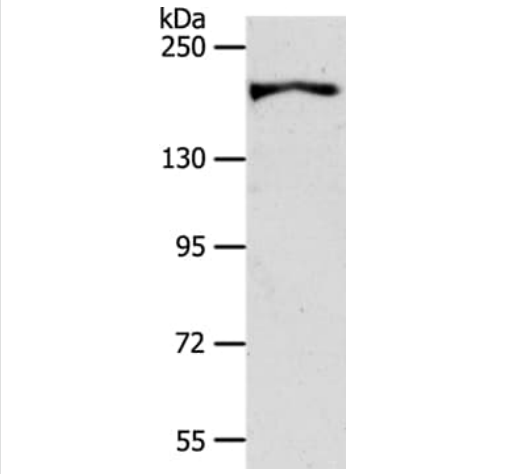
Function	Anchoring protein that mediates the subcellular compartmentation of protein kinase A (PKA) and protein kinase C (PKC).
Tissue specificity	Expressed in endothelial cells, cultured fibroblasts and osteosarcoma, but not in platelets, leukocytes, monocytic cell lines or peripherical blood cells.
Sequence similarities	Contains 3 AKAP domains.
Domain	Polybasic regions located between residues 266 and 557 are involved in binding PKC.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm > cell cortex. Cytoplasm > cytoskeleton. May be part of the cortical cytoskeleton.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AKAP12 antibody - C-terminal (ab198895)

Immunohistochemical analysis of paraffin-embedded Human brain tissue labeling AKAP12 with ab198895 at 1/40 dilution.



Western blot - Anti-AKAP12 antibody - C-terminal (ab198895)

Anti-AKAP12 antibody - C-terminal (ab198895) at 1/600 dilution + HT29 cell lysate at 40 µg

Predicted band size: 191 kDa

Exposure time: 40 seconds

8% SDS-PAGE

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