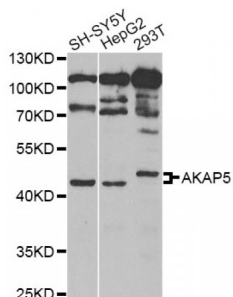


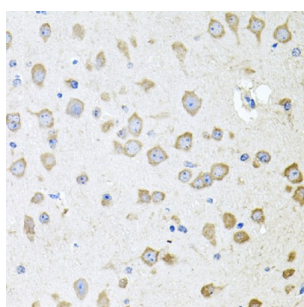
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A-Kinase Anchor Protein 5 (AKAP5) Antibody

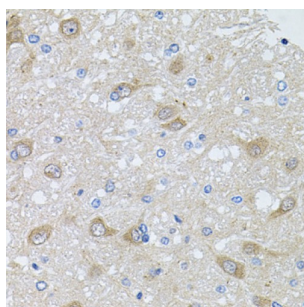
Catalogue No.: abx005000



Western blot analysis of extracts of various cell lines, using AKAP5 Antibody (abx005000) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded mouse brain using AKAP5 antibody (abx005000) at dilution of 1/100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using AKAP5 antibody (abx005000) at dilution of 1/100 (40x lens).

AKAP5 Antibody is a Rabbit Polyclonal antibody against AKAP5. 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 binds to the RII-beta regulatory subunit of PKA, and also to protein kinase C and the phosphatase calcineurin. It is predominantly expressed in cerebral cortex and may anchor the PKA protein at postsynaptic densities (PSD) and be involved in the regulation of postsynaptic events. It is also expressed in T lymphocytes and may function to inhibit interleukin-2 transcription by disrupting calcineurin-dependent dephosphorylation of NFAT.

| | |
|--------------------|-------------------|
| Target: | AKAP5 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |

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Tested Applications: WB, IHC

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/100 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant protein of human AKAP5.

Purification: Affinity purified.

Form: Liquid

Isotype: IgG

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Molecular Weight: Calculated MW: 47 kDa
Observed MW: 47 kDa

Swiss Prot: [P24588](#)

GeneID: [9495](#)

Gene Symbol: AKAP5

Concentration: > 1 mg/ml

Buffer: PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

Note: This product is for research use only.