



Datasheet for ABIN1387544
anti-AKAP5 antibody (AA 611-714)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	AKAP5
Binding Specificity:	AA 611-714
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKAP5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AKAP5
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	AKAP5
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Target Details

Alternative Name: [AKAP5 \(AKAP5 Products\)](#)

Target Type: Viral Protein

Background: Synonyms: A kinase PRKA anchor protein 5, A kinase anchor protein 5, A kinase anchor protein 79 kDa, A kinase anchoring protein 75/79, A-kinase anchor protein 5, A-kinase anchor protein 79 kDa, AKAP 5, AKAP 75, AKAP 79, AKAP-5, Akap5, AKAP5_HUMAN, AKAP75, AKAP79, cAMP dependent protein kinase regulatory subunit II high affinity binding protein, cAMP-dependent protein kinase regulatory subunit II high affinity-binding protein, H21.

Background: The type II cAMP-protein kinase (PKA) is a multifunctional kinase with a broad range of substrates (1). Specificity of PKA signaling is thought to be mediated by the compartmentalization of the kinase to specific sites within the cell. To maintain this specific localization, the R subunit (RII) of PKA interacts with specific RII-anchoring proteins. This family of proteins has been designated A-kinase anchoring proteins (AKAP) (1-3). Members of this family, including MAP2 (microtubule-associated protein 2), neuronally expressed AKAP 79 and AKAP 150, and the DNA binding AKAP 95, display differential tissue specificity and localization (4-6). Evidence suggests that AKAP 79 and AKAP 150 are both capable of anchoring PKA to postsynaptic densities (PSD), which are a network of proteins located on the internal surfaces of excitatory synapses.

Gene ID: 9495

UniProt: [P24588](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

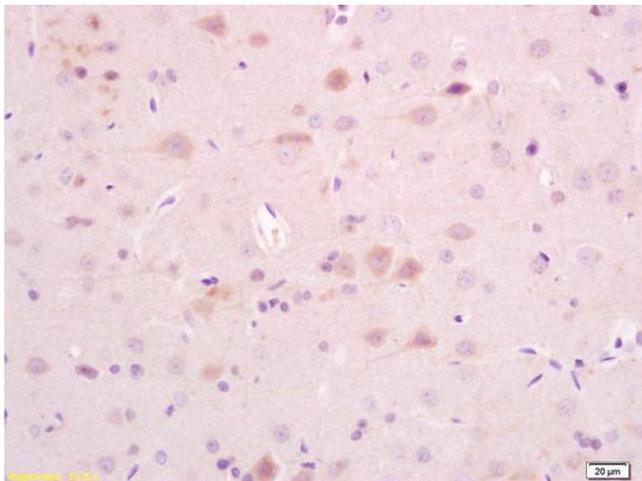
Handling

Format: Liquid

Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin rat brain tissue labeled with Anti-AKAP5 Polyclonal Antibody, Unconjugated (ABIN1387544) at 1:200, followed by conjugation to the secondary antibody and DAB staining