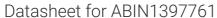
antibodies -online.com





anti-AKAP5 antibody (AA 611-714) (Alexa Fluor 488)



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Quantity:	100 μL
Target:	AKAP5
Binding Specificity:	AA 611-714
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKAP5 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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
Alternative Name:	AKAP5 (AKAP5 Products)

Target Details

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:	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	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and	
	50 % Glycerol.	
Preservative:	ProClin	

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months