

## Product datasheet for **TA392721M**

### AKAP8 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding Human NDUFC1.
Specificity:	AKAP 95 (E363) pAb detects endogenous levels of AKAP 95 (E363) protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 76 kDa
Gene Name:	A-kinase anchoring protein 8
Database Link:	<a href="#">Entrez Gene 10270 Human O43823</a>

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**Background:**

The type II cAMP-protein kinase (PKA) is a multifunctional kinase with a broad range of substrates. 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. The family of RII-anchoring proteins has been designated A-kinase anchoring proteins (AKAP). AKAP 95, also known as AKAP 8, is a nuclear matrix protein predominantly expressed in liver, heart, pancreas, kidney and skeletal muscle. During mitosis, AKAP 95 is recruited to the chromosomes and plays an essential role in mitotic progression. Characteristic of its family, AKAP 95 participates in PKA signaling through an interaction with the RII regulatory subunit. In addition, AKAP 95 forms a complex with HA95 and HDAC3 and is required for the deacetylation of Histone H3 in mitosis.

**Synonyms:**

CI-KFYI; Complex I-KFYI; NADH-ubiquinone oxidoreductase KFYI subunit; NADH dehydrogenase [ubiquinone] 1 subunit C1, mitochondrial; NDUFC1

**Note:**

For research use only, not for use in diagnostic procedure.

**Product images:**


Western blot (WB) analysis of AKAP 95 (E363) pAb at 1:500 dilution Lane1:EC9706 whole cell lysate(40ug) Lane2:HepG2 whole cell lysate(40ug) Lane3:HEK293T whole cell lysate(40ug) Lane4:AML-12 whole cell lysate(40ug) Lane5:H9C2 whole cell lysate(40ug)