

Rabbit GKAP Polyclonal Antibody | anti-GKAP antibody

Phospho-GKAP (Ser25) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329482	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GKAP; Polyclonal Antibody; Phospho-GKAP (Ser25) Antibody; cGMP dependent protein kinase anchoring protein 42kDa; cGMP dependent protein kinase anchoring protein of 42kDa; cGMP-dependent protein kinase-anchoring protein of 42kDa; FKSG21; G kinase anchoring protein 1; G kinase-anchoring protein 1; gkap1; GKAP1_HUMAN; GKAP42; Protein kinase anchoring protein GKAP42; anti-GKAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-GKAP (Ser25) Antibody detects endogenous levels of GKAP only when phosphorylated at Ser25.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-GKAP antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GKAP around the phosphorylation site of Ser25.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with PRKG1 and IRS1.
Similarity	Belongs to the GKAP1 family.
Subcellular Location	Golgi apparatus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
Staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Mouse brain, using Phospho-GKAP (Ser25) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GKAP antibody	Regulates insulin-dependent IRS1 tyrosine phosphorylation in adipocytes by modulating the availability of IRS1 to IR tyrosine kinase. Its association with IRS1 is required for insulin-induced translocation of SLC2A4 to the cell membrane. Involved in TNF-induced impairment of insulin-dependent IRS1 tyrosine phosphorylation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209915617
NCBI GeneID	80318
NCBI Accession #	NP_001129425.1
NCBI GenBank Nucleotide #	NM_001135953.1
UniProt Accession #	Q5VSY0; Q96LI0; Q9BYI1; Q9BYI2; Q9H225
Molecular Weight	42,078 Da
NCBI Official Full Name	G kinase-anchoring protein 1 isoform b
NCBI Official Synonym Full Names	G kinase anchoring protein 1
NCBI Official Symbol	GKAP1
NCBI Official Synonym Symbols	FKSG21; GKAP42
NCBI Protein Information	G kinase-anchoring protein 1; protein kinase anchoring protein GKAP42; cGMP-dependent protein kinase anchoring protein 42kDa; cGMP-dependent protein kinase-anchoring protein of 42 kDa
UniProt Protein Name	G kinase-anchoring protein 1
UniProt Gene Name	GKAP1
UniProt Synonym Gene Names	GKAP42; FKSG21
UniProt Entry Name	GKAP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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