

Anti-PRKX antibody



Description	Rabbit polyclonal to PRKX.
Model	STJ95224
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human PRKX
Immunogen Region	220-300 aa, Internal
Gene ID	5613
Gene Symbol	PRKX
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	PRKX Polyclonal Antibody detects endogenous levels of PRKX protein.
Tissue Specificity	Widely expressed (at protein level). Specifically expressed in blood by macrophages and granulocytes according to PubMed:9860982.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	cAMP-dependent protein kinase catalytic subunit PRKX PrKX Protein kinase X Protein kinase X-linked Serine/threonine-protein kinase PRKX Protein kinase PKX1
Molecular Weight	41 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9441OMIM:300083
Alternative Names	cAMP-dependent protein kinase catalytic subunit PRKX PrKX Protein kinase X Protein kinase X-linked Serine/threonine-protein kinase PRKX Protein kinase PKX1
Function	Serine/threonine protein kinase regulated by and mediating cAMP signaling in cells. Acts through phosphorylation of downstream targets that may include CREB, SMAD6 and PKD1 and has multiple functions in cellular differentiation and epithelial morphogenesis. Regulates myeloid cell differentiation through SMAD6 phosphorylation. Involved in nephrogenesis by stimulating renal epithelial cell migration and tubulogenesis. Also involved in angiogenesis through stimulation of endothelial cell proliferation, migration and vascular-like structure formation.
Cellular Localization	Cytoplasm. Nucleus. cAMP induces nuclear translocation.
Post-translational Modifications	Phosphorylated; autophosphorylates in vitro.