

## Product datasheet for **TA392777**

### PRKAR1B Rabbit Polyclonal Antibody

#### Product data:

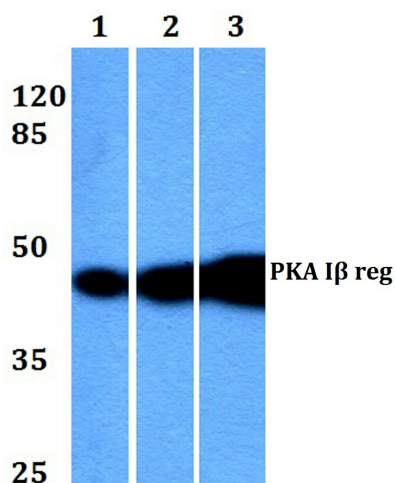
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 120-160 of Human PKA I $\beta$ reg.
Specificity:	PKA I $\beta$ reg (F138) polyclonal antibody detects endogenous levels of PKA I $\beta$ reg 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:	~ 43 kDa
Gene Name:	protein kinase cAMP-dependent type I regulatory subunit beta
Database Link:	<a href="#">Entrez Gene 5575 Human P31321</a>
Background:	The second messenger cyclic AMP (cAMP) mediates diverse cellular responses to external signals such as proliferation, ion transport, regulation of metabolism and gene transcription by activation of the cAMP-dependent protein kinase (cAPK or PKA). Activation of PKA occurs when cAMP binds to the two regulatory subunits of the tetrameric PKA holoenzyme resulting in release of active catalytic subunits. Three catalytic (C) subunits have been identified, designated C $\alpha$ , C $\beta$ and C $\gamma$ , that each represent specific gene products. C $\alpha$ and C $\beta$ are closely related (93% amino acid sequence similarity), whereas C $\gamma$ displays 83% and 79% similarity to C $\alpha$ and C $\beta$ , respectively.
Synonyms:	cAMP-dependent protein kinase type I-beta regulatory subunit; PRKAR1B



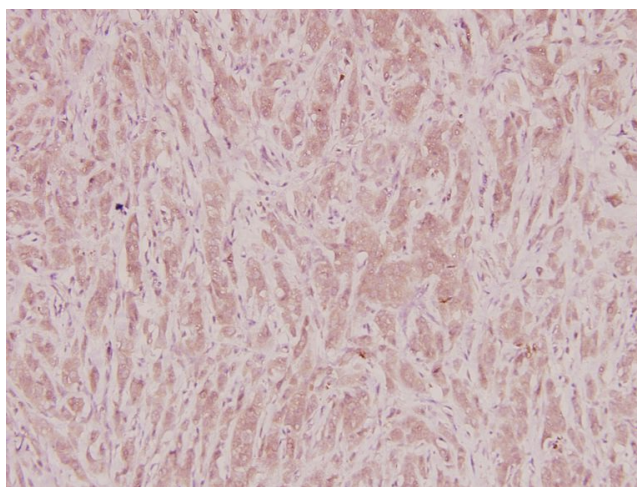
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Note: For research use only, not for use in diagnostic procedure.

### Product images:



Western blot (WB) analysis of PKA I $\beta$  reg (F138) pAb at 1:500 dilution Lane1:The Brain tissue lysate of Mouse(10ug) Lane2:The Brain tissue lysate of Rat(20ug) Lane3:MCF-7 whole cell lysate(40ug) Lane4:A549 whole cell lysate(40ug) Lane5:K562 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of PKA I $\beta$  reg (F138) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.