

PKA alpha/beta Antibody | anti-PKA alpha/beta antibody

PKA alpha/beta CAT (Phospho-Thr197) Antibody

CATALOG # AAA109085	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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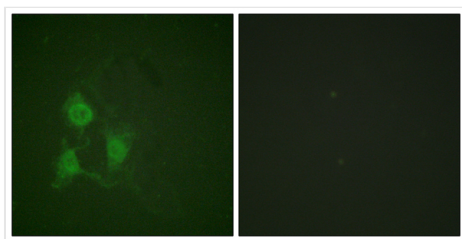
PRODUCT SYNONYMS

PKA alpha/beta; PKA alpha/beta CAT (Phospho-Thr197) Antibody; cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; PRKACA; PKACA; cAMP-dependent protein kinase catalytic subunit beta; PKA C-beta; PRKACB; anti-PKA alpha/beta antibody

PRODUCT SPECIFICATIONS

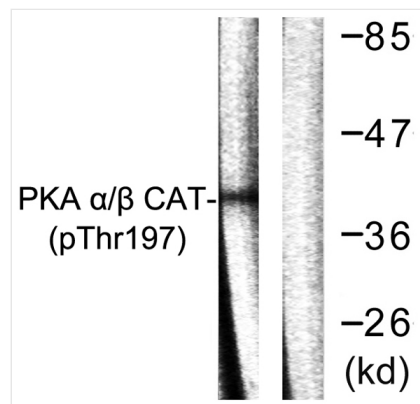
Reactivity	Human, Mouse, Rat
Specificity	PKA alpha/beta CAT (Phospho-Thr197) antibody detects endogenous levels of PKA alpha/beta CAT only when phosphorylated at threonine 197.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	427
Applicable Applications for anti-PKA alpha/beta antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human PKA alpha/beta CAT around the phosphorylation site of threonine 197 (T-W-TP-L-C).
All Sites	Human: Thr197 Mouse: Thr197 Rat: Thr197
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



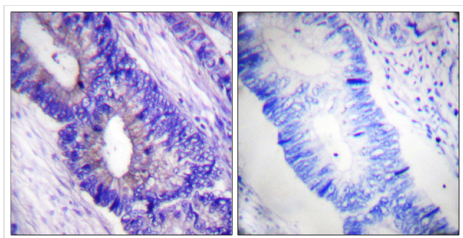
IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of A549 cells, using PKA alpha/beta CAT (Phospho-Thr197) antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using PKA alpha/beta CAT (Phospho-Thr197) antibody. Western blot analysis of extracts from mouse brain cells, using PKA alpha/beta CAT (Phospho-Thr197) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

Product Categories/Family for anti-PKA alpha/beta antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Ghislaine Garrel, Endocrinology, Jun 1997; 138: 2259. W Li, Learn. Mem., Jan 1996; 2: 320-333. Sharmin Schauble, J. Biol. Chem., May 2007; 282: 14952-14959. Yong G. Wang, J. Gen. Physiol., Jan 1998; 111: 113.

NCBI AND UNIPROT INFORMATION

NCBI GI #	748585205
NCBI GeneID	5566
NCBI Accession #	NP_001291278.1
NCBI GenBank Nucleotide #	NM_001304349.1
UniProt Accession #	P17612; Q32P54; Q9H2Y0; Q9NRB4; Q9NRH9
Molecular Weight	39,822 Da
NCBI Official Full Name	cAMP-dependent protein kinase catalytic subunit alpha isoform 3
NCBI Official Synonym Full Names	protein kinase cAMP-activated catalytic subunit alpha
NCBI Official Symbol	PRKACA
NCBI Official Synonym Symbols	PKACA; PPNAD4
NCBI Protein Information	cAMP-dependent protein kinase catalytic subunit alpha
UniProt Protein Name	cAMP-dependent protein kinase catalytic subunit alpha
UniProt Gene Name	PRKACA
UniProt Synonym Gene Names	PKACA; PKA C-alpha

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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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/pka-alpha-beta/109085>