Anti-PRKACA Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015097

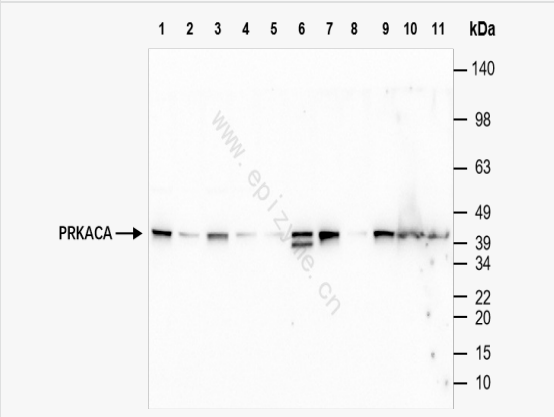
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; IHC-P 1:2,000~1:10,000; IF 1:200~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	90P12P84
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human PRKACA
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-PRKACA Rabbit mAb [90P12P84] is for research use only and not for use in diagnostic or therapeutic procedures.

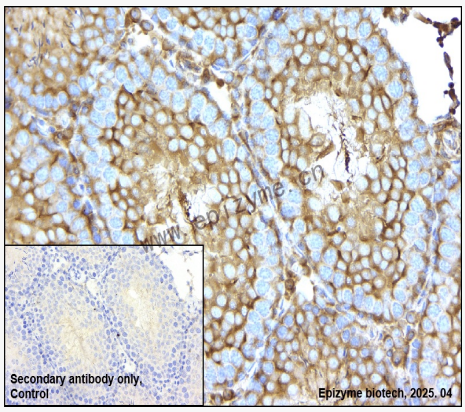
Protein Information

Synonyms	cAMP Protein Kinase Catalytic subunit, cAMP dependent protein kinase alpha catalytic subunit, cAMP dependent protein kinase beta catalytic subunit, cAMP dependent protein kinase catalytic beta subunit isoform 4ab, cAMP dependent protein kinase catalytic subunit alpha, cAMP dependent protein kinase catalytic subunit alpha, isoform 1, cAMP dependent protein kinase catalytic subunit beta, DKFZp781I2452, MGC102831, MGC41879, MGC48865, MGC9320, PKA C alpha, PKA C beta, PKACA, Protein kinase A catalytic subunit alpha, Protein kinase A catalytic subunit, Protein kinase A catalytic subunit beta, Protein kinase cAMP dependent catalytic alpha, Protein kinase cAMP dependent catalytic beta, Protein kinase, cAMP dependent, catalytic, alpha, Protein kinase, cAMP dependent, catalytic, beta.
Calculated MW	Calculated MW: 40 kDa; Observed MW: 40 kDa
Uniprot ID	P17612
Gene ID	5566
Background	This gene encodes one of the catalytic subunits of protein kinase A, which exists as a tetrameric holoenzyme with two regulatory subunits and two catalytic subunits, in its inactive form. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four

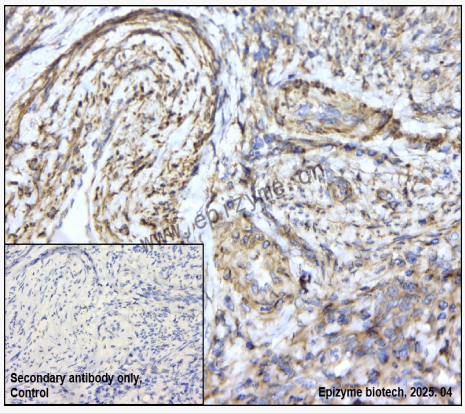
Validation Images



Western Blot - Anti-PRKACA Rabbit mAb [90P12P84]
All lanes: R015097 at 1:2,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lane 5: 293T (Human embryonic kidney cell) whole cell lysates
Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 7: Mouse brain whole tissue lysates
Lane 8: Mouse liver whole tissue lysates
Lane 9: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 10: Rat brain whole tissue lysates
Lane 11: Rat liver whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 40 kDa
Observed band size: 40 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-PRKACA Rabbit mAb [90P12P84]
Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015097 at 1:6,000 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-PRKACA Rabbit mAb [90P12P84]
Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015097 at 1:6,000 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.