

Rabbit anti-Human CamK4 Polyclonal Antibody | anti-CAMK4 antibody

Rabbit anti-CamK4 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210983	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

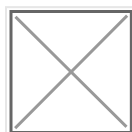
PRODUCT SYNONYMS

CamK4; Polyclonal Antibody; Rabbit anti-CamK4 Antibody; Affinity Purified; CaM kinase-GR; CaMK IV; brain Ca⁺⁺-calmodulin-dependent protein kinase type IV; caMK; CaMK-GR; CAM kinase IV; CAM kinase- GR; calcium/calmodulin-dependent protein kinase type IV; brain Ca(2+)-calmodulin-dependent protein kinase type IV; calcium/calmodulin-dependent protein kinase type IV catalytic chain; Calcium/calmodulin-dependent protein kinase type IV; calcium/calmodulin dependent protein kinase IV; anti-CAMK4 antibody

PRODUCT SPECIFICATIONS

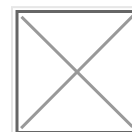
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-CAMK4 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 423 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CamK4 by western blot and immunoprecipitation. Samples: A) Whole cell lysate from Jurkat (5, 15 and 50 ug) and HeLa (50 ug) cells. B) Whole cell lysate (1 mg/IP; 1/4 of IP loaded/lane) from Jurkat cells. Antibodies: Affinity purified rabbit anti-CamK4 antibody BL1836 (Cat. No. AAA210983) used at 0.04 ug/ml for WB (A and B) and at 3 ug/mg lysate for IP (B). CamK4 was also immunoprecipitated using CamK4 antibodies BL1834 (Cat. No. and BL1835 (Cat. No. used at 3 ug/mg lysate for IP. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human CamK4 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-CamK4 (Cat. No. AAA210983) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-CAMK4 antibody

Ca²⁺/CaM-dependent protein kinase 4 (CamK4) is a member of the Ca²⁺/CaM-dependent protein kinases that functions as an activator of Ca²⁺-dependent transcription mediated by factors such as CREB, ATF-1, SRF, MEF2D, and others. Protein phosphatase 2A (PP2A) has been shown to associate with CamK4 to negatively regulate the kinase activity of CamK4 and subsequent activation of gene transcription.

Product Categories/Family for anti-CAMK4 antibody	Primary Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502557
NCBI GeneID	814
NCBI Accession #	NP_001735.1
NCBI GenBank Nucleotide #	NM_001744.4
UniProt Accession #	Q16566; D3DSZ7
Molecular Weight	51,926 Da
NCBI Official Full Name	calcium/calmodulin-dependent protein kinase type IV
NCBI Official Synonym Full Names	calcium/calmodulin-dependent protein kinase IV
NCBI Official Symbol	CAMK4
NCBI Official Synonym Symbols	IV; caMK; CaMK IV; CaMK-GR
NCBI Protein Information	calcium/calmodulin-dependent protein kinase type IV; CAM kinase IV; caM kinase-GR; CAM kinase- GR; brain Ca++-calmodulin-dependent protein kinase type IV; brain Ca(2+)-calmodulin-dependent protein kinase type IV; calcium/calmodulin-dependent protein kinas
UniProt Protein Name	Calcium/calmodulin-dependent protein kinase type IV
UniProt Gene Name	CAMK4
UniProt Synonym Gene Names	CAMK; CAMK-GR; CAMKIV; CaMK IV
UniProt Entry Name	KCC4_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/camk4-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/210983>