

Rabbit anti-Human Protein Kinase D2/PRKD2 Polyclonal Antibody | anti-PRKD2 antibody

Anti-Protein Kinase D2/PRKD2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255458	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Protein Kinase D2/PRKD2; Polyclonal Antibody; Anti-Protein Kinase D2/PRKD2 Antibody; Rabbit Polyclonal; PRKD2 Antibody; Rabbit PAb; Antigen Affinity Purified; protein kinase D2; Anti-HSPC187 Antibody; Anti-nPKC-D2 Antibody; Anti-PKD2 Antibody; anti-PRKD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PRKD2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PRKD2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human PRKD2 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human PRKD2 (rh PRKD2). PRKD2 specific IgG was purified by Human PRKD2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PRKD2 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate; Lane B: 0.5 mg HepG2 Whole Cell Lysate; Lane C: 0.5 mg MCF-7 Whole Cell Lysate; 4 uL anti-PRKD2 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-PRKD2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 100 kDa. Observed band size: 100 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of PRKD2 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PRKD2 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to cytoplasm and nucleus.



WB (Western Blot)

Anti-PRKD2 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H&L) /Dylight 800 at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 97 kDa Observed band size: 113 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PRKD2 antibody	Serine/threonine-protein kinase D2, also known as PRKD2 and PKD2, is a cytoplasm and membrane protein that belongs to the protein kinase superfamily, CAMK Ser/Thr protein kinase family and PKD subfamily. PRKD2/PKD2 is widely expressed. It contains one PH domain, two phorbol-ester/DAG-type zinc fingers and one protein kinase domain. PRKD2/PKD2 is activated by DAG and phorbol esters. Phorbol-ester/DAG-type domains bind DAG, mediating translocation to membranes. Autophosphorylation of Ser-71 and phosphorylation of Ser-76 by PKC relieves auto-inhibition by the PH domain. PRKD2/PKD2 converts transient diacylglycerol (DAG) signals into prolonged physiological effects, downstream of PKC. Involved in resistance to oxidative stress.
References	Zhang QH, et al., 2000, Genome Res 10 (10): 1546-60. Di Bernardo MC, et al., 2008, Nature genetics. 40 (10):1204-10. Zhang L, et al., 2009, American journal of nephrology. 30 (6):505-13.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923468
NCBI GeneID	25865
NCBI Accession #	NP_057541.2
NCBI GenBank Nucleotide #	NM_016457.4
UniProt Accession #	Q9BZL6; Q8NCK8; Q8TB08; Q9P0T6; Q9Y3X8; M0R2R2
Molecular Weight	80,143 Da
NCBI Official Full Name	serine/threonine-protein kinase D2 isoform A
NCBI Official Synonym Full Names	protein kinase D2
NCBI Official Symbol	PRKD2
NCBI Official Synonym Symbols	PKD2; HSPC187; nPKC-D2
NCBI Protein Information	serine/threonine-protein kinase D2
UniProt Protein Name	Serine/threonine-protein kinase D2
UniProt Gene Name	PRKD2
UniProt Synonym Gene Names	PKD2
UniProt Entry Name	KPCD2_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/protein-kinase-d2-prkd2-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/255458>