

Product Datasheet

Protein Kinase D2 Antibody - BSA Free NB100-636

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB100-636

Protein Kinase D2 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	97 kDa

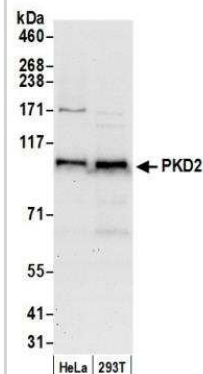
Product Description	
Description	Novus Biologicals Rabbit Protein Kinase D2 Antibody - BSA Free (NB100-636) is a polyclonal antibody validated for use in WB and IP. Anti-Protein Kinase D2 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	25865
Gene Symbol	PRKD2
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residues 320 and 400.

Product Application Details	
Applications	Western Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Immunoprecipitation 2- 10 ug/mg of lysate
Application Notes	Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.

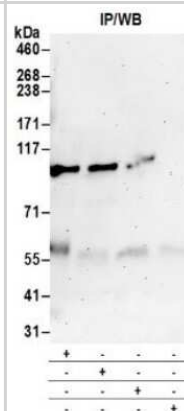


Images

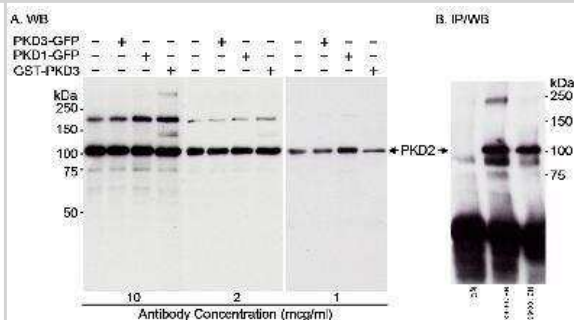
Western Blot: Protein Kinase D2 Antibody [NB100-636] - Detection of Human PKD2 by Western Blot. Samples: Whole cell lysate (50 ug) from HeLa and 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PKD2 antibody NB100-636 used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Western Blot: Protein Kinase D2 Antibody [NB100-636] - Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PKD2 antibody (lot For blotting immunoprecipitated PKD2, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunoprecipitation: Protein Kinase D2 Antibody [NB100-636] - Samples: Whole cell lysate (A. 30 ug/lane; B. 200 mcg/IP) from HEK293 cells that were untreated or transfected with expression constructs for PKD1 and PKD3 as controls for reactivity with these homologs. Antibodies: A. Affinity purified rabbit anti- NB100-636 used at the indicated concentrations for WB. B. Affinity purified rabbit anti- NB100-636 and NB100-2299 used at 2 ug/200 mcg lysate for IP. Immunoprecipitated PKD2 was detected by WB using anti-PKD2 antibody NB100-2299 at 1 ug/ml. Detection: Chemiluminescence with a 10 second exposure.



Publications

Zheng H, Qian J, Baker DP et al. Tyrosine phosphorylation of protein kinase D2 mediates ligand-inducible elimination of the Type 1 interferon receptor. *J Biol Chem* 2011-10-01 [PMID: 21865166]

Azoitei N, Kleger A, Schoo N et al. Protein kinase D2 is a novel regulator of glioblastoma growth and tumor formation. *Neuro Oncol* 2011-07-01 [PMID: 21727210]

Zheng H, Qian J, Varghese B et al. Ligand-stimulated downregulation of the alpha interferon receptor: role of protein kinase D2. *Mol Cell Biol* 2011-02-01 [PMID: 21173164]

Pusapati GV, Krndija D, Armacki M et al. Role of the second cysteine-rich domain and Pro275 in protein kinase D2 interaction with ADP-ribosylation factor 1, trans-Golgi network recruitment, and protein transport. *Mol Biol Cell* 2010-03-01 [PMID: 20089835]

Yuan J, Lugea A, Zheng L et al. Protein kinase D1 mediates NF-kappaB activation induced by cholecystokinin and cholinergic signaling in pancreatic acinar cells. *Am J Physiol Gastrointest Liver Physiol* 2008-12-01 [PMID: 18845574]

Sharlow ER, Giridhar KV, LaValle CR et al. Potent and selective disruption of protein kinase D functionality by a benzoxolazepinolone. *J Biol Chem* 2008-11-01 [PMID: 18829454]

Bossard C, Bresson D, Polishchuk RS et al. Dimeric PKD regulates membrane fission to form transport carriers at the TGN. *J Cell Biol* 2007-12-01 [PMID: 18086912]

Liu D, Evans I, Britton G et al. The zinc-finger transcription factor, early growth response 3, mediates VEGF-induced angiogenesis. *Oncogene* 2008-05-01 [PMID: 18059339]





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Products Related to NB100-636

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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