

Product Datasheet

PLA2G6 Antibody - BSA Free NBP1-81586

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-81586

PLA2G6 Antibody - BSA Free

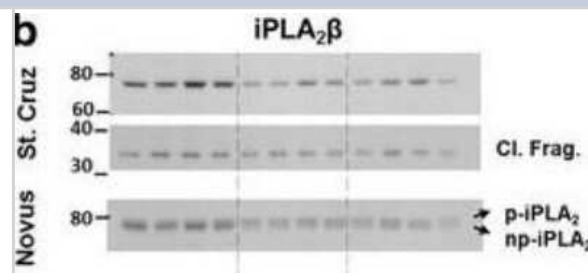
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	8398
Gene Symbol	PLA2G6
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QVLHTEVLQHLTDLIRNHPWSVAHLAVELGIRECFHHSRIISCANCAENEEGC TPLHLACRKGDEILVELVQYCHTQMDVTDYKGETVFHYAVQGDNSQVLQLLG RNAVAGLNQVNNQGLTPLHLACQLGKQEMVRVLLLCNARCNIMG

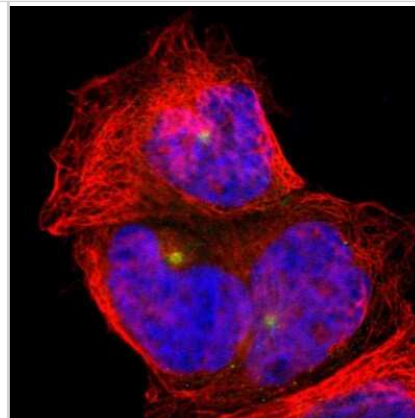
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin Reported in (PMID: 28213071)
Application Notes	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

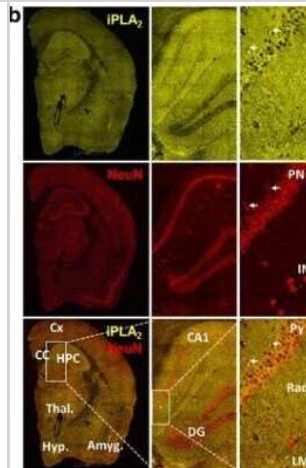
Western Blot: PLA2G6 Antibody [NBP1-81586] - Effects of APPWT and APPOSK overexpression on the levels of the major phospholipase A2s in the brains of old mice. Cerebrum samples from non-Tg, APPWT and APPOSK were lyophilized, pulverized, and homogenized in NP40 buffer using a cooled bead beater. Total protein concentrations from NP40 supernatants were estimated by BCA protein assay. Representative Western blots using multiple antibodies against PLA2. Image collected and cropped by CiteAb from the following publication (<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-017-0460-6>), licensed under a CC-BY license.



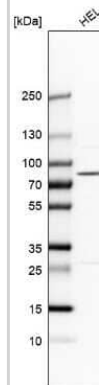
Immunocytochemistry/Immunofluorescence: PLA2G6 Antibody [NBP1-81586] - Staining of human cell line A-431 shows localization to microtubule organizing center. Antibody staining is shown in green.



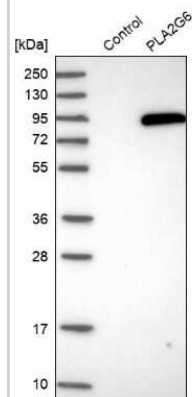
Immunohistochemistry: PLA2G6 Antibody [NBP1-81586] - Non-Tg mouse brains were dissected, fixed in 4% paraformaldehyde, cryoprotected, frozen, & sectioned coronally (8 um sections). Representative immunofluorescence images taken from brain coronal sections (Bregma -2) using phospho-cPLA2 (yellow) antibody and DAPI (blue) (a) or and iPLA2 (yellow) and NeuN (red) antibodies (b). Images show a whole hemibrain section using a 20x objective on a Nikon A1R VAAS inverted confocal (left panels). NeuN and iPLA2 co-localize within the perinucleus of pyramidal neurons (PN, white arrows), but not within the perinucleus of interneurons (IN). iPLA2 staining is also observed within pyramidal dendritic arborization (right panels) Image collected and cropped by CiteAb from the following publication (<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-017-0460-6>), licensed under a CC-BY license.



Western Blot: PLA2G6 Antibody [NBP1-81586] - Analysis in human cell line HEL.



Western Blot: PLA2G6 Antibody [NBP1-81586] - Analysis in control (vector only transfected HEK293T lysate) and PLA2G6 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



Publications

Palavicini JP, Wang C, Chen L et al. Oligomeric amyloid-beta induces MAPK-mediated activation of brain cytosolic and calcium-independent phospholipase A2 in a spatial-specific manner *Acta Neuropathol Commun* 2017-07-27 [PMID: 28750656] (ICC/IF, WB)

Miki Y, Tanji K, Mori F et al. PLA2G6 accumulates in Lewy bodies in PARK14 and idiopathic Parkinson's disease. *Neurosci. Lett.* 2017-02-14 [PMID: 28213071] (IF/IHC, WB, Human)

Paliege A, Roeschel T, Neymeyer H et al. Group VIA phospholipase A2 is a target for vasopressin signaling in the thick ascending limb. *Am J Physiol Renal Physiol* 2012-04-01 [PMID: 22218592]





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Products Related to NBP1-81586

NBP1-81586PEP	PLA2G6 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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