

# Product Datasheet

## PLA2G4A Antibody NBP1-52050

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-52050**

## PLA2G4A Antibody

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
<b>Description</b>	Novus Biologicals Goat PLA2G4A Antibody (NBP1-52050) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-PLA2G4A Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	5321
<b>Gene Symbol</b>	PLA2G4A
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-QEKTFRQQRKEHIR corresponding to internal region according to NP_077734.1.

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.3 - 1 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry 3.75 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 3.75 ug/mL, Peptide ELISA Detection limit 1:32000
<b>Application Notes</b>	WB: Approx. 90 kDa band observed in HeLa and NIH3T3 lysates (calculated MW of 85.2 kDa band according to NP_077734.1).

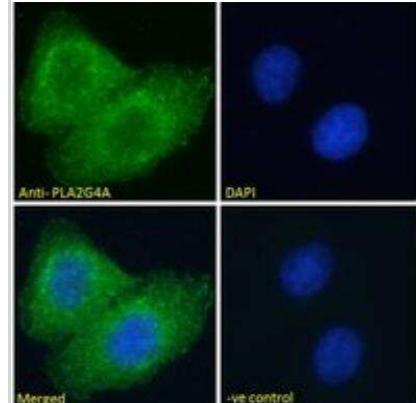


## Images

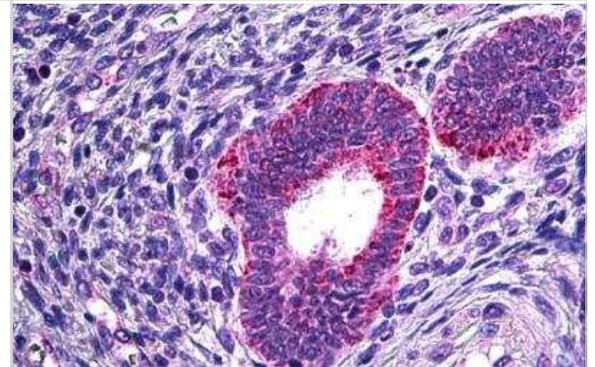
Western Blot: PLA2G4A Antibody [NBP1-52050] - A549 cell lysate (35 ug protein in RIPA buffer). Antibody at 1 ug/mL. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

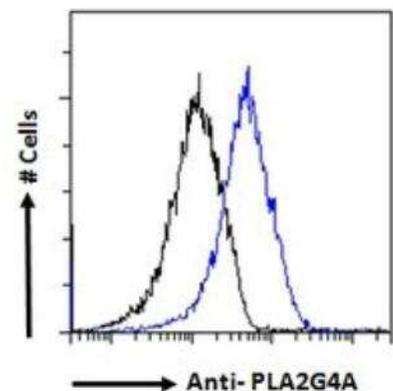
Immunocytochemistry/Immunofluorescence: PLA2G4A Antibody [NBP1-52050] - Analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunohistochemistry-Paraffin: PLA2G4A Antibody [NBP1-52050] - Staining of paraffin embedded Human Uterus. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Flow Cytometry: PLA2G4A Antibody [NBP1-52050] - Analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



## Publications

Gubern A, Barcelo-Torns M, Barneda D et al. JNK and ceramide kinase govern the biogenesis of lipid droplets through activation of group IVA phospholipase A2. J Biol Chem 2009-11-01 [PMID: 19778898]



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### **Products Related to NBP1-52050**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **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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