

# Product Datasheet

## Pleckstrin Antibody NB100-1343

Unit Size: 0.1 mg

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

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### Publications: 2

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**NB100-1343****Pleckstrin Antibody**

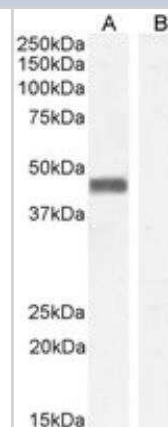
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	40 kDa

Product Description	
Host	Goat
Gene ID	5341
Gene Symbol	PLEK
Species	Human
Immunogen	Peptide with sequence C-EWIKAIQMASRTGK corresponding to C-Terminus according to NP_002655.2.

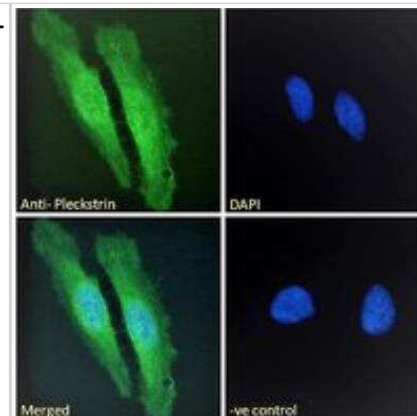
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.01 - 0.3 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 3.75 ug/mL, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 45 kDa band observed in human peripheral blood mononucleocyte lysates (calculated MW of 40.1 kDa band according to NP_002655.2).

**Images**

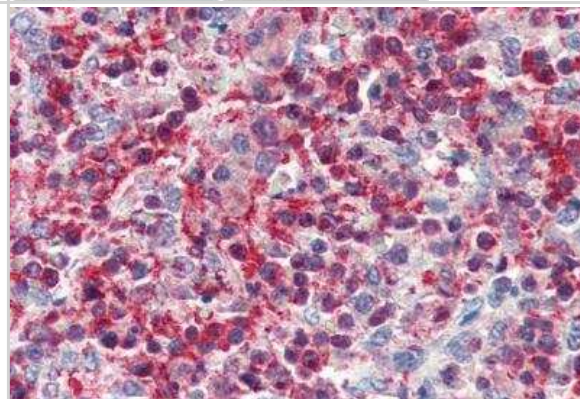
Western Blot: Pleckstrin Antibody [NB100-1343] - Staining of Human Parathyroid lysate (A) and negative control HepG2 (B) cell lysate (35ug protein in RIPA buffer). Antibody at 0.01 ug/mL. Detected by chemiluminescence.



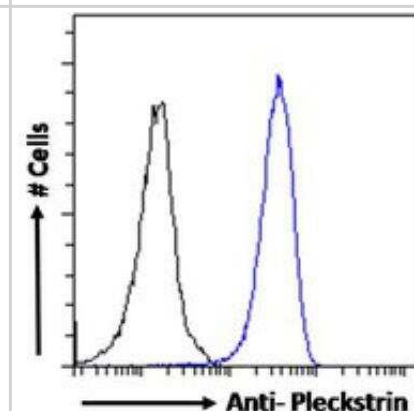
**Immunocytochemistry/Immunofluorescence: Pleckstrin Antibody [NB100-1343]** - Analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic/membrane and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



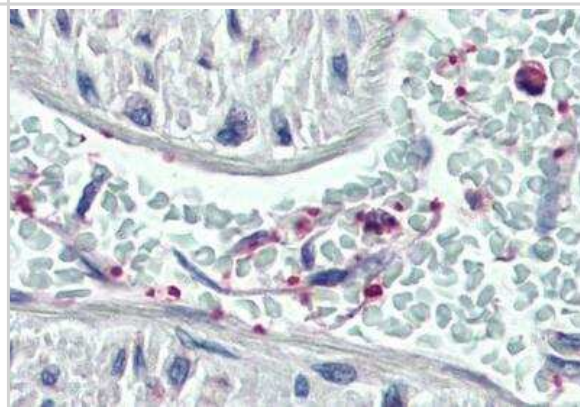
**Immunohistochemistry-Paraffin: Pleckstrin Antibody [NB100-1343]** - Staining of paraffin embedded Human Spleen. Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



**Flow Cytometry: Pleckstrin Antibody [NB100-1343]** - Analysis of paraformaldehyde fixed HeLa 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.



**Immunohistochemistry-Paraffin: Pleckstrin Antibody [NB100-1343]** - Staining of paraffin embedded Human Vessel (platelets). Antibody at 3.75 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Tyers M, Rachubinski RA, Stewart MI et al. Molecular cloning and expression of the major protein kinase C substrate of platelets. *Nature* 1988-06-02 [PMID: 2897630]

Hunter RW, Mackintosh C, Hers I et al. Protein kinase C-mediated phosphorylation and activation of PDE3A regulate cAMP levels in human platelets. *J Biol Chem.* 2009-05-01 [PMID: 19261611]



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### **Products Related to NB100-1343**

NBL1-14499	Pleckstrin Overexpression Lysate
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

### **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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