

# Product Datasheet

## GABPB1 Antibody NB100-60948

Unit Size: 0.1 mg

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

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**NB100-60948**

## GABPB1 Antibody

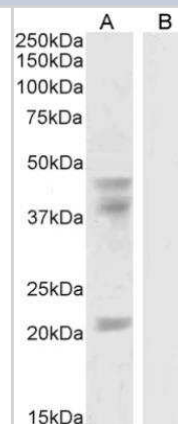
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat GABPB1 Antibody (NB100-60948) is a polyclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-GABPB1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	2553
Gene Symbol	GABPB1
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise isoform beta 1 (NP_005245.2), isoform gamma 1 (NP_002032.2), and beta-1 isoform 5 NP_001307844.1.
Immunogen	Peptide with sequence C-SSENSSKATDETG, from the internal region of the protein sequence according to NP_005245.2; NP_002032.2; NP_001307844.1.

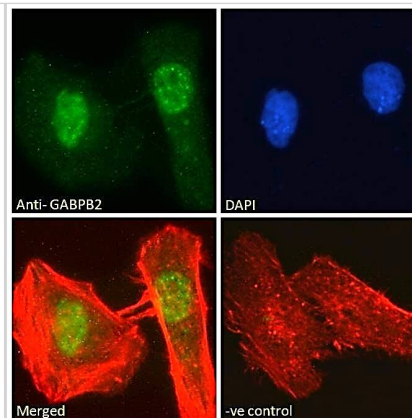
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 0.3-1 ug/ml, Flow Cytometry 10 ug/ml, ELISA Detection limit 1:32000, Immunohistochemistry, Immunohistochemistry-Paraffin 3.75 ug/ml
Application Notes	WB: Approx. 45+38 kDa band bands observed in HeLa lysates (calculated MW of 42.5 kDa band according to NP_005245.2, P_001307844.1, and of 38.1 kDa band according to NP_002032.2). An additional band of unknown identity was also consistently observed at 22 kDa. This band was successfully blocked by incubation with the immunizing peptide.

**Images**

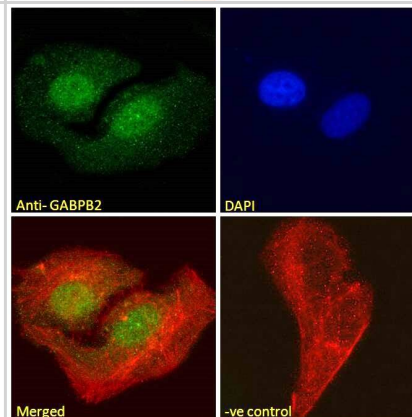
Western Blot: GABPB1 Antibody [NB100-60948] - Using 0.3 ug/ml for the staining of HeLa cell lysate (A) + peptide (B) (35 ug protein in RIPA buffer). Detected by chemiluminescence.



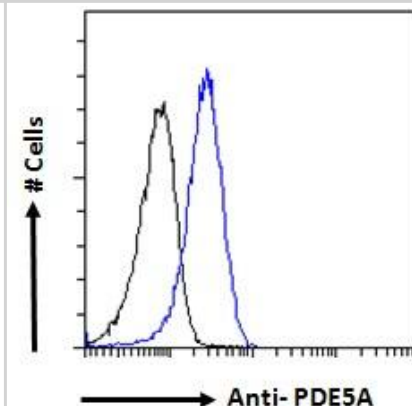
**Immunohistochemistry-Paraffin: Goat Polyclonal GABPB1 Antibody [NB100-60948]** - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear/nuclear speckle staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



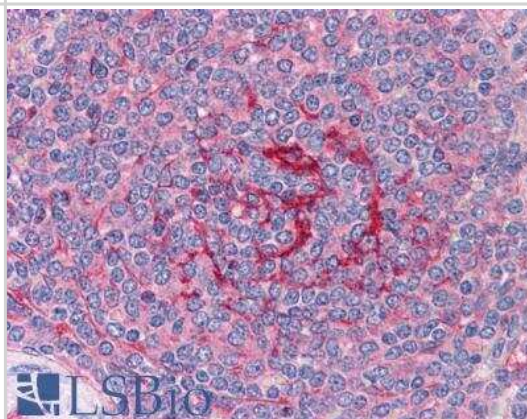
**Immunocytochemistry/Immunofluorescence: Goat Polyclonal GABPB1 Antibody [NB100-60948]** - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



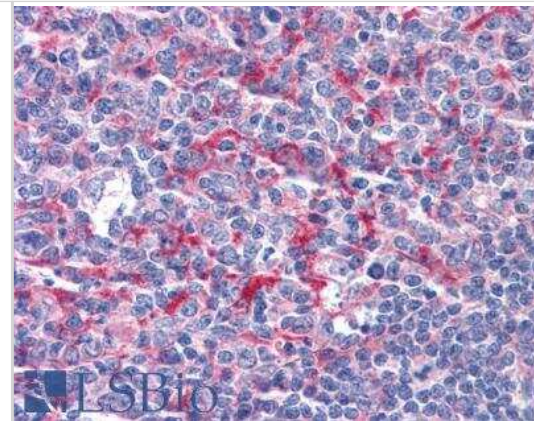
**Flow Cytometry: Goat Polyclonal GABPB1 Antibody [NB100-60948]** - Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



**Immunohistochemistry-Paraffin: GABPB1 Antibody [NB100-60948]** - Using 3.75 ug/ml for the staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: GABPB1 Antibody [NB100-60948] - Using 3.75 ug/ml for the staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

O'Leary DA, Koleski D, Kola I et al. Identification and expression analysis of alternative transcripts of the mouse GA-binding protein (Gabp) subunits alpha and beta1. *Gene* 2005-01-03 [PMID: 15656975]



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### **Products Related to NB100-60948**

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NBL1-10912	GABPB1 Overexpression Lysate
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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