

# Product Datasheet

## GBX2 Antibody NB100-55393

Unit Size: 0.1 mg

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

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**NB100-55393****GBX2 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**

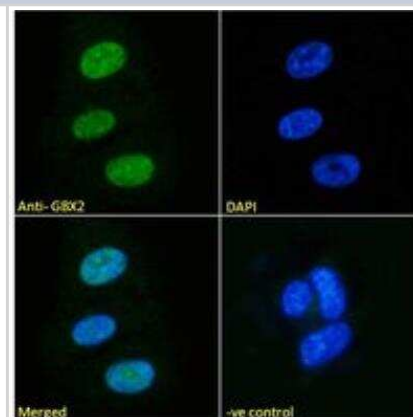
<b>Description</b>	Novus Biologicals Goat GBX2 Antibody (NB100-55393) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-GBX2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	2637
<b>Gene Symbol</b>	GBX2
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 23144817).
<b>Immunogen</b>	Peptide with sequence C-QGKDESKVEDDPK corresponding to internal region according to NP_001476.2.

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/ml, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Peptide ELISA Detection limit 1:18000
<b>Application Notes</b>	IHC-P: Human placenta shows nuclear staining of selected trophoblasts. IHC: In paraffin embedded Human Placenta shows nuclear staining of selected trophoblasts. WB reactivity reported in (PMID: 23144817).

**Images**

Immunocytochemistry/Immunofluorescence: GBX2 Antibody [NB100-55393] - 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. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



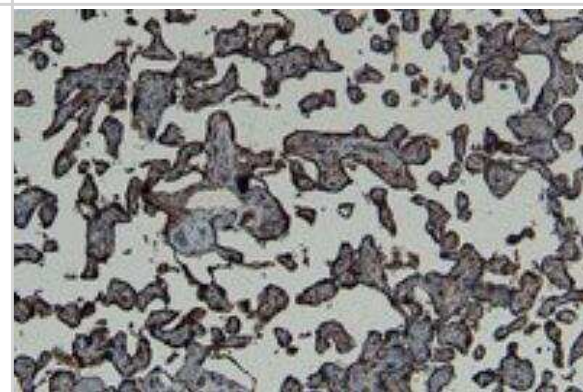
Immunohistochemistry-Paraffin: GBX2 Antibody [NB100-55393] - Staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



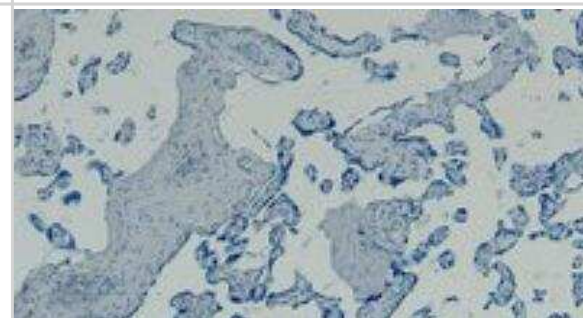
Immunocytochemistry/Immunofluorescence: GBX2 Antibody [NB100-55393] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Paraffin: GBX2 Antibody [NB100-55393] - Staining of paraffin embedded Human Placenta at dilution of 5ug/ml. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: GBX2 Antibody [NB100-55393] - Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.



## Publications

Palmqvist L, Glover CH, Hsu L et al. Correlation of murine embryonic stem cell gene expression profiles with functional measures of pluripotency. *Stem Cells* 2005-05-01 [PMID: 15849174]

Roeseler DA, Sachdev S, Buckley DM et al. Elongation Factor 1 alpha1 and Genes Associated with Usher Syndromes Are Downstream Targets of GBX2 *PLoS One* 2012-01-01 [PMID: 23144817] (WB, Mouse, Human)

Burroughs-Garcia J, Sittaramane V, Chandrasekhar A, Waters ST. Evolutionarily conserved function of Gbx2 in anterior hindbrain development. *Dev Dyn*. 2011-02-28 [PMID: 21360792]





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### **Products Related to NB100-55393**

NB800-PC2	Jurkat Whole Cell 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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