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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07377 - Goat Anti-GBX2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GBX2, gastrulation brain homeobox 2, gastrulation brain homeo box 2

**Official Symbol:** GBX2

**Accession Number(s):** NP\_001476.2

**Human GeneID(s):** [2637](#)

**Non-Human GeneID(s):** 14472 (mouse), 114500 (rat)

### Immunogen

Peptide with sequence C-QGKDESKVEDDPK, from the internal region of the protein sequence according to NP\_001476.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

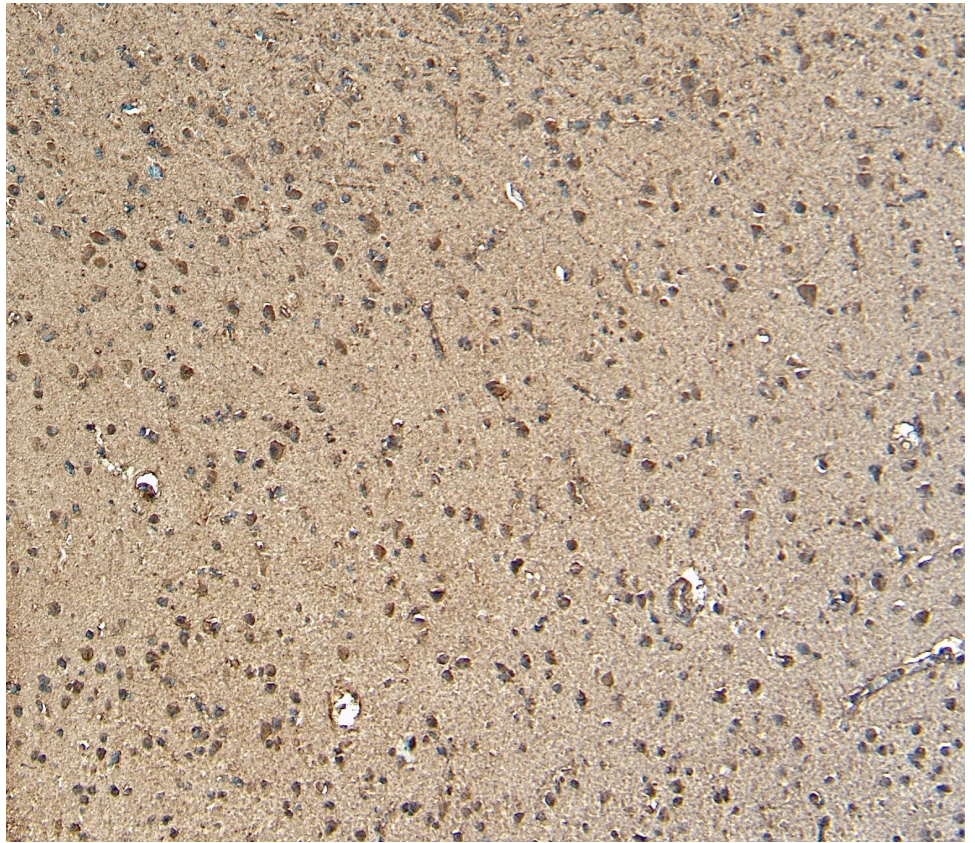
**IHC:** Paraffin embedded Human Brain (Cortex) and Placenta. Recommended concentration: 5µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the nucleus of HeLa and U2OS cells. Recommended concentration: 10µg/ml.

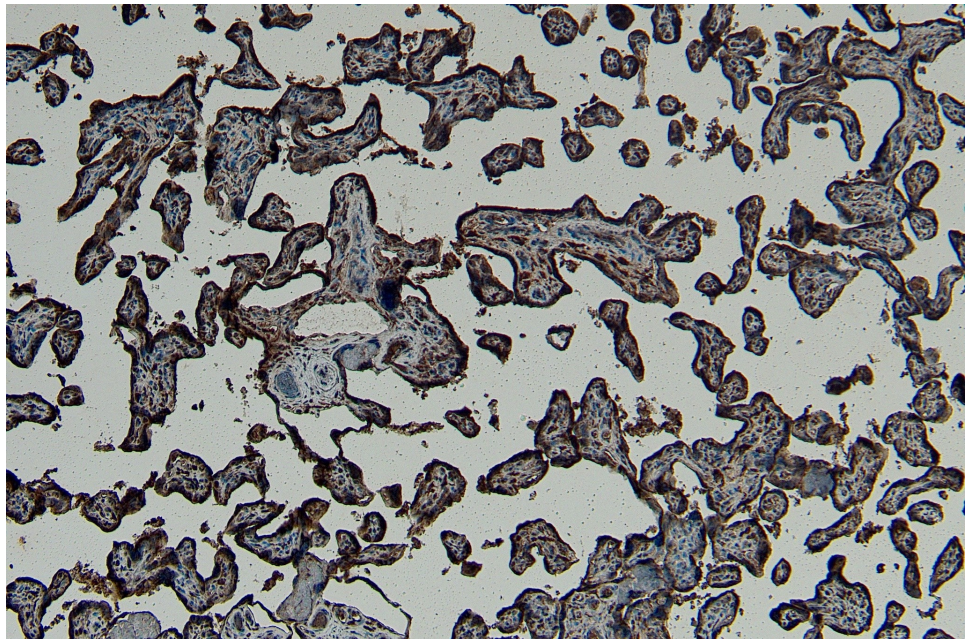
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

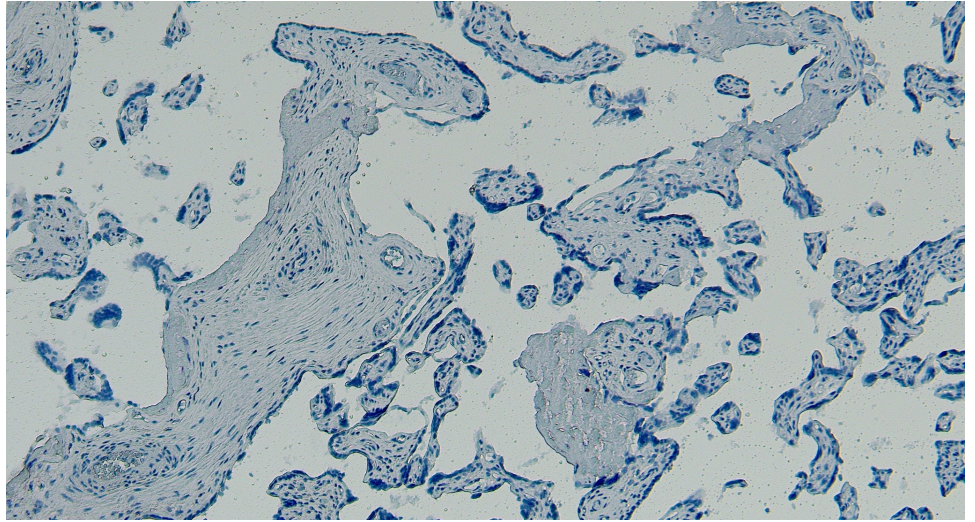


EB07377 (5µg/ml) staining of paraffin embedded Human Cortex. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

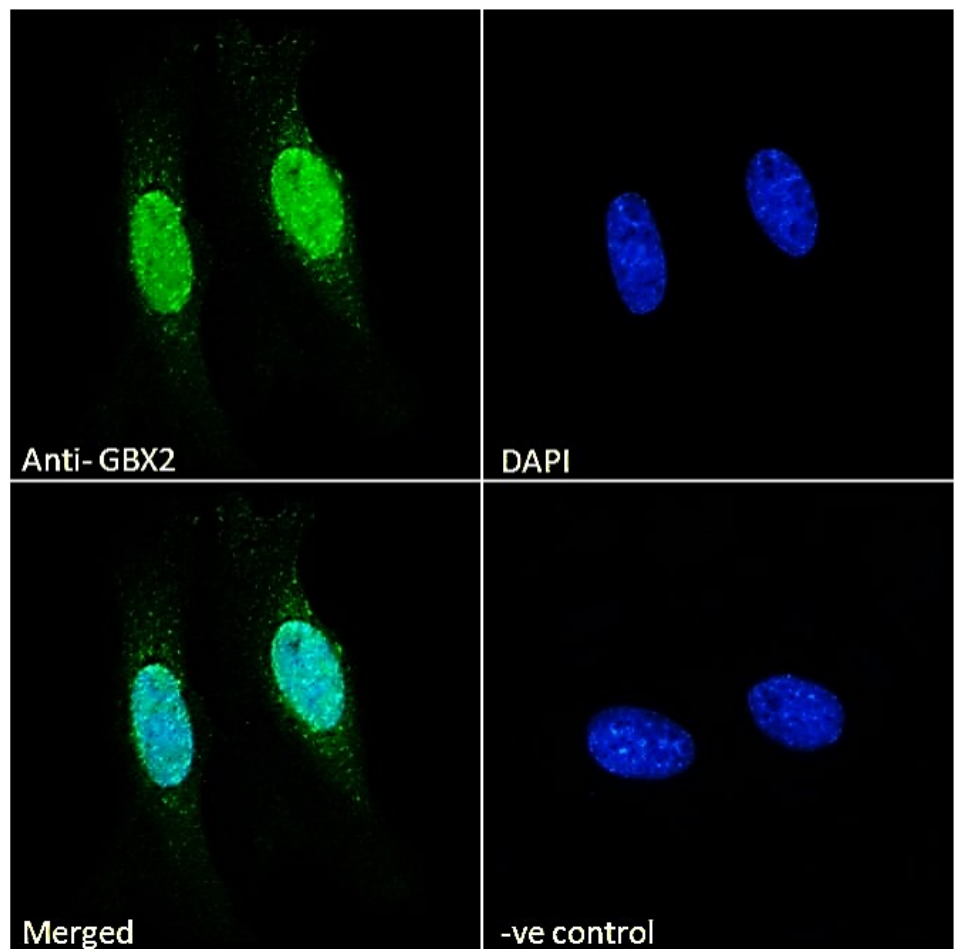


EB07377 (5µg/ml) staining of paraffin embedded Human Placenta. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

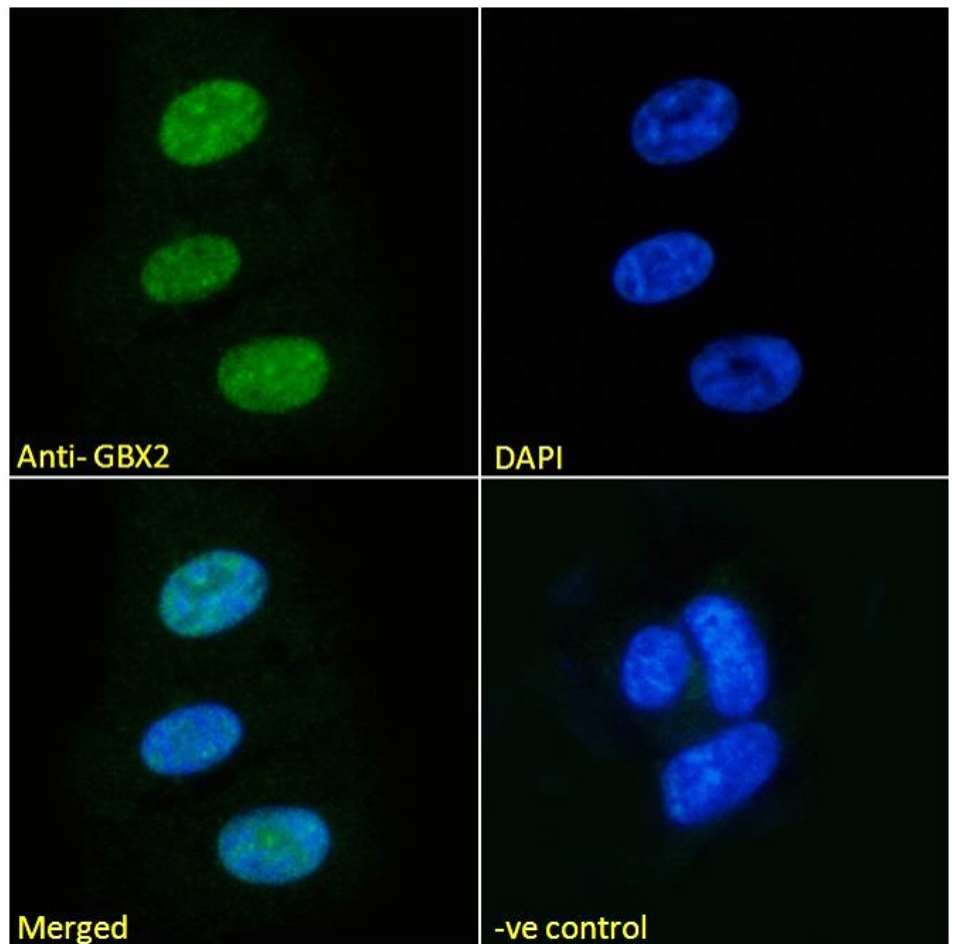




EB07377 Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.



EB07377 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).



EB07377 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).