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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 1:16000.

Western blot: Approx 37kDa band observed in lysates of T-cell line Jurkat (calculated MW of 37.3kDa according to NP_001476.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on NIH-3T3 cell line for this particular batch.

IHC: In paraffin embedded Human Placenta shows nuclear staining of selected trophoblasts. Recommended concentration: 4-8µg/ml. Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75ug/ml.

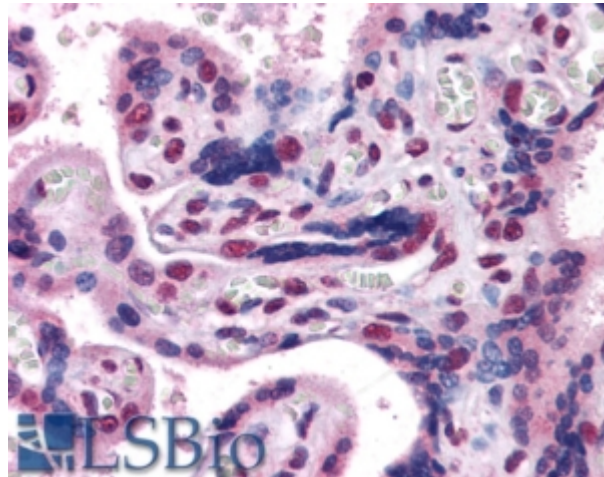
Species Reactivity

Tested: Human

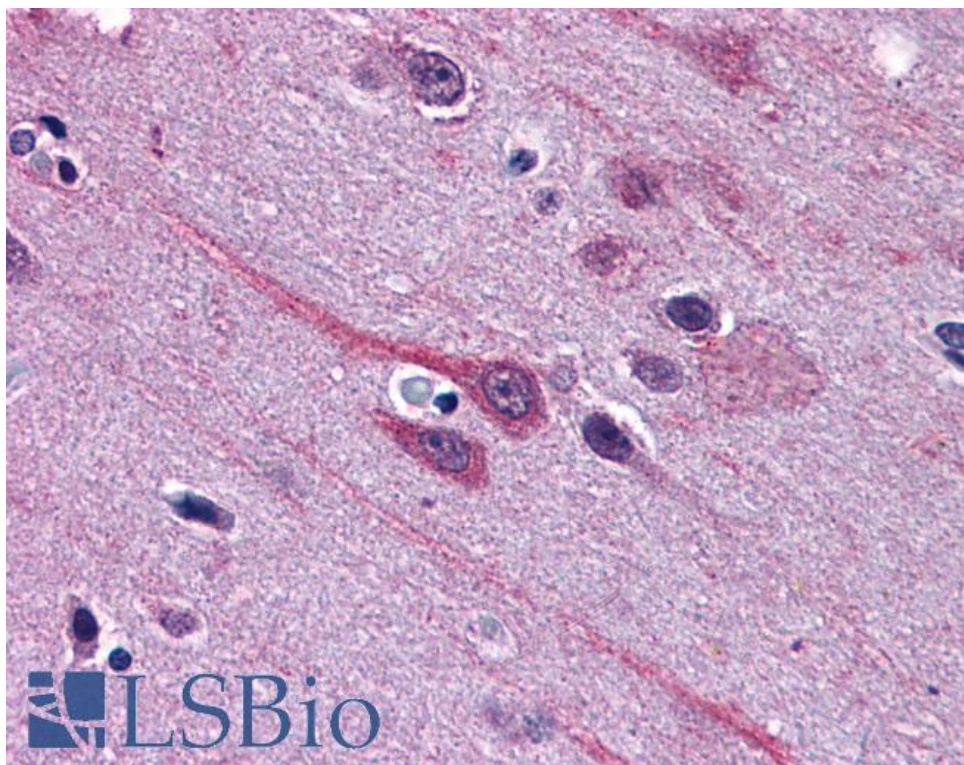
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB07377 (0.1µg/ml) staining of Jurkat cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB07377 (3.75µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07377 (3.75µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.