

Goat anti-GBX2 Antibody

Item Number	dAP-0979
Target Molecule	Principle Name: GBX2; Official Symbol: GBX2; All Names and Symbols: GBX2; gastrulation brain homeobox 2 ; gastrulation brain homeo box 2; Accession Number (s): NP_001476.2; Human Gene ID(s): 2637; Non-Human GenelD(s): 14472 (mouse) 114500 (rat)
Immunogen	QGKDESKVEDDPK, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	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
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows nuclear staining of selected trophoblasts. Recommended concentration: 4-8µg/ml. Paraffin embedded Human Brain (Cortex). Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Palmqvist L, Glover CH, Hsu L, Lu M, Bossen B, Piret JM, Humphries RK, Helgason CD. Correlation of murine embryonic stem cell gene expression profiles with functional measures of pluripotency. <i>Stem Cells</i> . 2005 May;23(5):663-80. PMID: 15849174 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**