Human GBX2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG

Catalog Number: AF4638

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GBX2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human GBX2 Lys126-Asn247 Accession # P52951
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

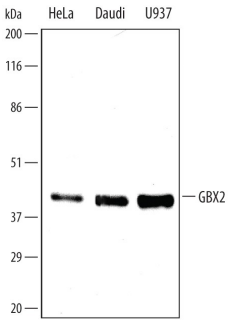
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	See Below

DATA

Western Blot



Detection of Human GBX2 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Daudi human Burkitt's lymphoma cell line, and U937 human histiocytic lymphoma cell line. PVDF membrane was probed with 0.1 µg/mL of Goat Anti-Human GBX2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4638) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for GBX2 at approximately 42 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

GBX2 (gastrulation brain homeobox) is a member of the homeobox family, which shares a 180 bp DNA sequence that encodes the DNA binding homeodomain. GBX2, along with OTX2 and FGF8 establish midbrain-hindbrain boundries in the developing brain. Increased GBX2 expression has also been associated with pluripotent cells and metastasic potential in cancers.

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