

DESCRIPTION

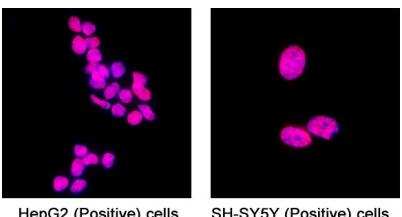
Species Reactivity	Human
Specificity	Detects recombinant human SOX12 protein in Direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1079017
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SOX12 Accession # O15370
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. <i>General Protocols</i> are available in the Technical Information section on our website.		
	Recommended Concentration	Sample
Immunocytochemistry	3-25 µg/mL	Immersion fixed HepG2 human hepatocellular carcinoma cell line and SH-SY5Y human neuroblastoma cell line
Immunohistochemistry	3-25 µg/mL	Immersion fixed paraffin-embedded sections of human breast

DATA

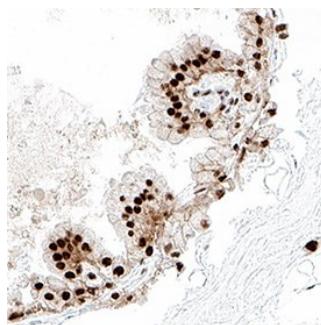
Immunocytochemistry



HepG2 (Positive) cells SH-SY5Y (Positive) cells

Detection of SOX12 in HepG2 cells and SH-SY5Y cells. SOX12 was detected in immersion fixed HepG2 human hepatocellular carcinoma cell line (Positive) and SH-SY5Y human neuroblastoma cell line (Positive) using Mouse Anti-Human SOX12 Monoclonal Antibody (Catalog # MAB11733) at 8 µg/ml for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # Catalog # [NL007](#)) and counterstained with DAPI (blue). Specific staining was localized to the nucleus. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

Immunohistochemistry



Detection of SOX12 in Human Breast. SOX12 was detected in immersion fixed paraffin-embedded sections of human breast using Mouse Anti-Human SOX12 Monoclonal Antibody (Catalog # MAB11733) at 5 µg/ml for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUcyte™ HRP Polymer Antibody (Catalog # [VC001](#)) or the HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # [HAF007](#)). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUcyte Antigen Retrieval Reagent-Basic (Catalog # [VCTS021](#)). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the nucleus. View our protocol for [IHC Staining with VisUcyte HRP Polymer Detection Reagents](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute lyophilized material at 0.2 mg/ml in sterile PBS. For liquid material, refer to CoA for concentration.
Shipping	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 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.