

Product Datasheet

YB1 Antibody - BSA Free NBP1-89945

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-89945

YB1 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

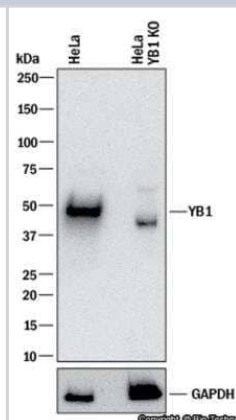
Host	Rabbit
Gene ID	4904
Gene Symbol	YBX1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SGEKNEGSESAPEGQAQRRPYRRRRFPPYYMRRPYGRRPQYSNPPVQGE VMEGADNQGAGEQGRPVQRNMYRGYRPRFRRGPPRQRQRPREDGNEEDK

Product Application Details

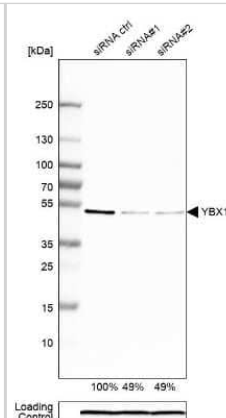
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated 0.4 ug/ml
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

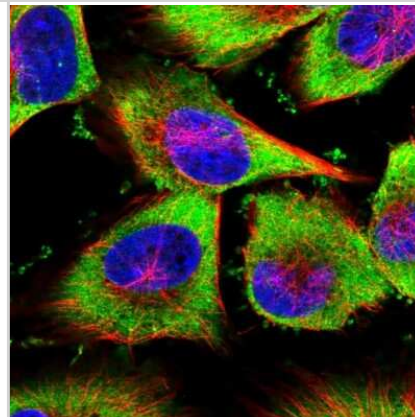
Western Blot: YB1 Antibody [NBP1-89945] - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and YB-1 knockout (KO) HeLa cell line. PVDF membrane was probed with 0.4 ug/ml of Rabbit Anti-Human YB-1 Polyclonal Antibody (Catalog # NBP1-89945) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog #HAF008). Specific band was detected for YB-1 at approximately 49 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.



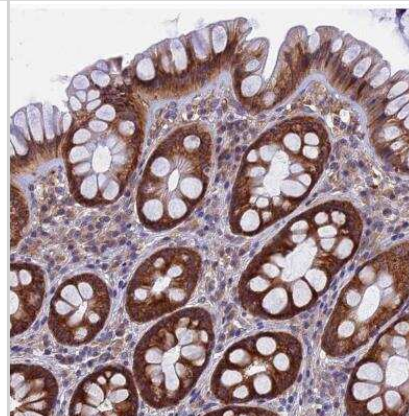
Western Blot: YB1 Antibody [NBP1-89945] - Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-YBX1 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



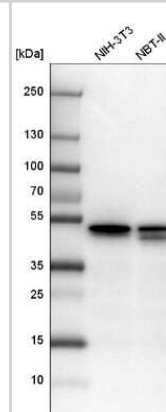
Immunocytochemistry/Immunofluorescence: YB1 Antibody [NBP1-89945] - Staining of human cell line U-251 MG shows localization to cytosol. Antibody staining is shown in green.



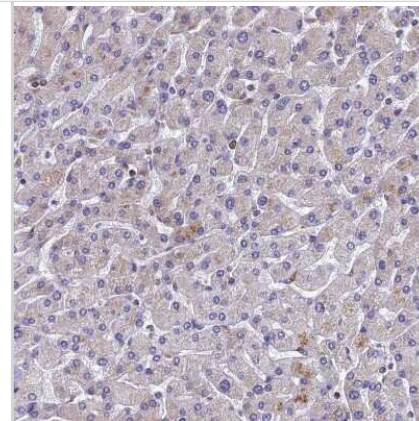
Immunohistochemistry-Paraffin: YB1 Antibody [NBP1-89945] - Staining of human gastrointestinal shows strong cytoplasmic positivity in glandular cells.



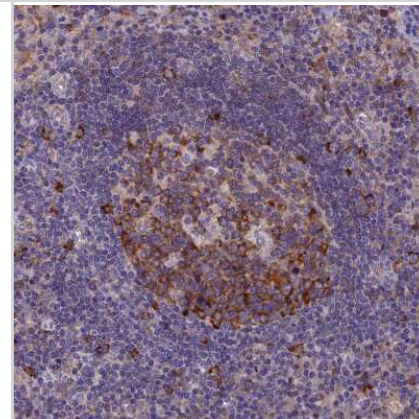
Western Blot: YB1 Antibody [NBP1-89945] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



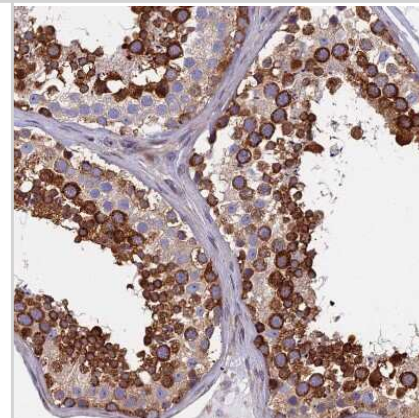
Immunohistochemistry-Paraffin: YB1 Antibody [NBP1-89945] - Staining of human liver shows very weak cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: YB1 Antibody [NBP1-89945] - Staining of human lymph node shows moderate cytoplasmic positivity in germinal center cells.



Immunohistochemistry-Paraffin: YB1 Antibody [NBP1-89945] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



Publications

Dey A, Robitaille M, Remke M et al. YB-1 is elevated in medulloblastoma and drives proliferation in Sonic hedgehog-dependent cerebellar granule neuron progenitor cells and medulloblastoma cells. *Oncogene* 2016-08-11 [PMID: 26725322] (WB)



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Products Related to NBP1-89945

NBP1-89945PEP	YB1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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