

YBX1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human YB1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.02% sodium azide
Storage Conditions	-20°C or -80°C if preferred
RRID	AB_10988345

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1-5 µg/mL	-
Immunofluorescence (IF)	1-5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:5000	-
Immunoprecipitation (IP)	Assay-Dependent	-
Western Blot (WB)	1-1.4 µg/mL	-

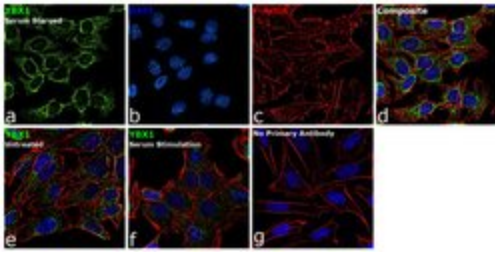
Product Specific Information

For Western Blot, this antibody has non-specific bands at 50 kDa.

This antibody is predicted to react with *Xenopus laevis* based on sequence homology.

Store antibody at 4°C for 1-2 weeks. For long-term storage, store at -20°C.

Advanced Verification Data



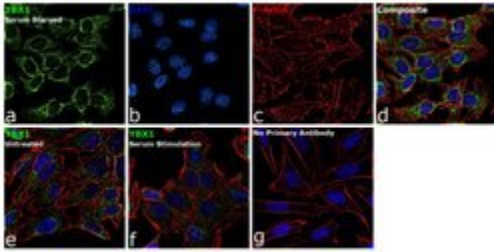
YBX1 Antibody (PA5-19453)

Detection of altered expression of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using YBX1 Polyclonal Antibody (Product # PA5-19453) shows upregulation of the protein under stress conditions and when restimulated with serum they are restored to the normal levels of YBX1. Cell treatment validation info.

Product Images For YBX1 Polyclonal Antibody

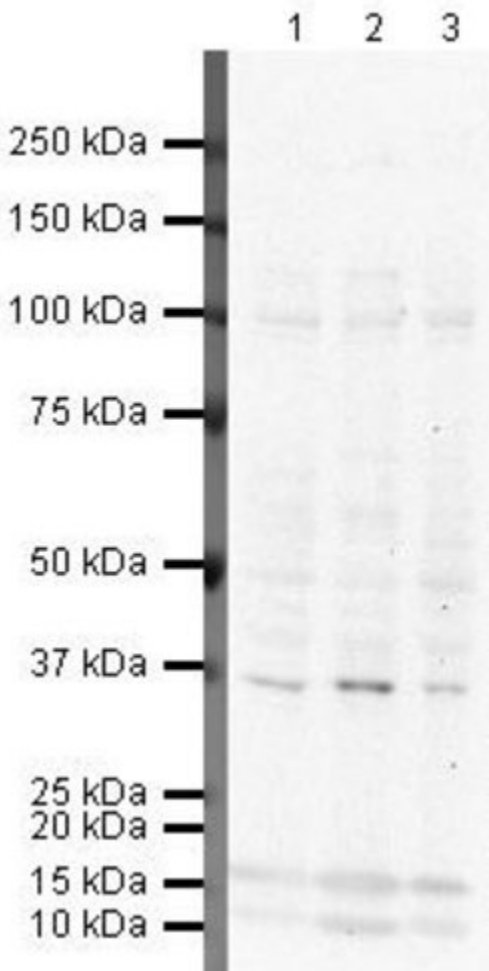
YBX1 Antibody (PA5-19453) in ICC

Immunofluorescence analysis of YBX1 was performed using 70% confluent log phase SK-O-V3 serum starved cells (16 hrs). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with YBX1 Polyclonal Antibody (Product # PA5-19453) at 5µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution) for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing stress granules as well as cytoplasmic localization. Panel e represents untreated cells. Panel f represents cells after serum stimulation. Panel g represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



YBX1 Antibody (PA5-19453) in WB

Western blot analysis of HeLa Whole Cell Lysate using Product # PA5-19453, YB1 primary antibody at a dilution of 1 µg/mL (lane 1). Staining of Jurkat Whole Cell Lysate at a dilution of 1 µg/mL (Lane 2). Staining of MCF7 Whole Cell Lysate at a dilution of 1 µg/mL (lane 3). Blot treated with a secondary HRP-conjugated Goat polyclonal anti-Rabbit antibody was used at a dilution of 1:3000.



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