

YBX1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
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	1.0 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
Western Blot (WB)	1-1.4 µg/mL	-
Immunocytochemistry (ICC/IF)	1-5 µg/mL	-

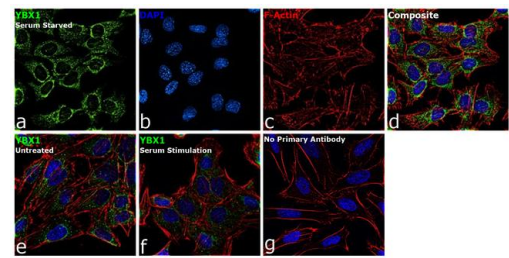
Product Specific Information

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.

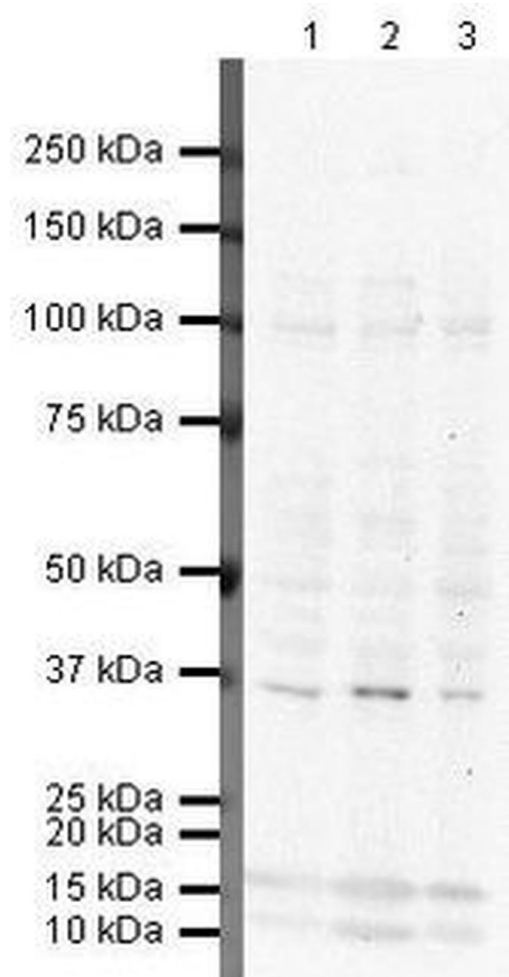
Store antibody at 4°C for 1-2 weeks. For long-term storage, store at -20°C.

Product Images For YBX1 Polyclonal Antibody



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. {TM}

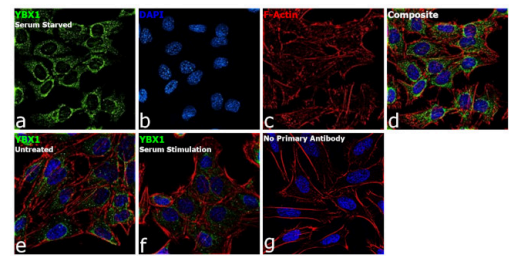


YBX1 Antibody (PA5-19453) in WB

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.

YBX1 Antibody (PA5-19453) in ICC/IF

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.



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