

Recombinant YBX1 / Y-box Binding Protein 1 / YB-1 (Tumor Biomarker) Antibody

Mouse Monoclonal Antibody [Clone rYBX1/2430]

Catalog No	Format	Size
4904-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4904-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4904-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

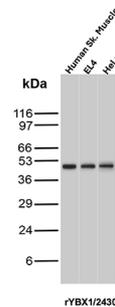
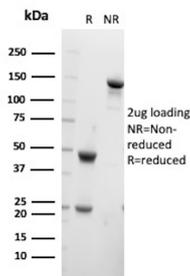
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	rYBX1/2430
Gene Name	YBX1
Immunogen	Recombinant human full-length YBX1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	36kDa
Cellular Localization	Cytoplasm, Cytoplasmic granule, Extracellular exosome, Nucleus, Secreted
Species Reactivity	Human
Positive Control	Breast or lung carcinoma., HEK293 or PC12 cells. Prostate, MCF-7, EL4, HeLa, Skeletal muscle.

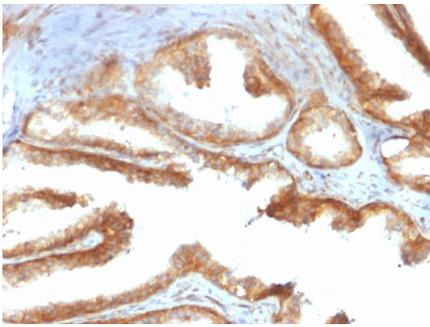
*Optimal dilution for a specific application should be determined.

Product Images for Recombinant YBX1 / Y-box Binding Protein 1 / YB-1 (Tumor Biomarker) Antibody



SDS-PAGE Analysis of Purified Y-box-binding protein 1 Recombinant Mouse Monoclonal Antibody (rYBX1/2430). Confirmation of Purity and Integrity of Antibody.

Western Blot Analysis of Human Skeletal muscle, EL4 and HeLa lysates using YBX1 Recombinant Mouse Monoclonal Antibody (rYBX1/2430).



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with YBX1 Mouse Recombinant Monoclonal Antibody (rYBX1/2430).

Specificity & Comments

The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. Y-box binding protein-1 (YBX1) is the prototypic member of the cold shock protein family that fulfills numerous cellular functions. In the nucleus, YBX1 protein orchestrates transcription of proliferation-related genes, whereas in the cytoplasm it associates with mRNA and directs translation. In human tumor entities, such as breast, lung and prostate cancer, cellular YBX1 expression indicates poor clinical outcome, suggesting that YBX1 is an attractive marker to predict patients' prognosis.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cytokine Signaling, Immunology, Signal Transduction, Transcription Factors
