

Rabbit MSY2/YBOX2/YBX2 Polyclonal Antibody | anti-YBX2 antibody

Anti-MSY2/YBOX2/YBX2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126529	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MSY2/YBOX2/YBX2; Polyclonal Antibody; Anti-MSY2/YBOX2/YBX2 Antibody Picoband; anti-YBX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-YBX2 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human MSY2/YBOX2/YBX2 recombinant protein (Position: E211-E364).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of U2OS cells using anti-MSY2/YBOX2/YBX2 antibody (AAA126529). Overlay histogram showing U2OS cells stained with AAA126529 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MSY2/YBOX2/YBX2 Antibody (AAA126529, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of MCF-7 cells using anti-MSY2/YBOX2/YBX2 antibody (AAA126529). Overlay histogram showing MCF-7 cells stained with AAA126529 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MSY2/YBOX2/YBX2 Antibody (AAA126529, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



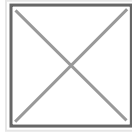
IHC (Immunohistochemisry)

Figure 3. IHC analysis of MSY2/YBOX2/YBX2 using anti-MSY2/YBOX2/YBX2 antibody (AAA126529).MSY2/YBOX2/YBX2 was detected in a paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MSY2/YBOX2/YBX2 Antibody (AAA126529) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of MSY2/YBOX2/YBX2 using anti-MSY2/YBOX2/YBX2 antibody (AAA126529).MSY2/YBOX2/YBX2 was detected in a paraffin-embedded section of mouse testis tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-MSY2/YBOX2/YBX2 Antibody (AAA126529) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of MSY2/YBOX2/YBX2 using anti-MSY2/YBOX2/YBX2 antibody (AAA126529).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: rat testis tissue lysates,Lane 3: mouse testis tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MSY2/YBOX2/YBX2 antigen affinity purified polyclonal antibody (#AAA126529) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MSY2/YBOX2/YBX2 at approximately 55 kDa. The expected band size for MSY2/YBOX2/YBX2 is at 39 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-YBX2 antibody	Y-box-binding protein 2 is a protein that in humans is encoded by the YBX2 gene. This gene encodes a nucleic acid binding protein which is highly expressed in germ cells. The encoded protein binds to a Y-box element in the promoters of certain genes but also binds to mRNA transcribed from these genes. Pseudogenes for this gene are located on chromosome 10 and 15.
Product Categories/Family for anti-YBX2 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	156415990
NCBI GeneID	51087
NCBI Accession #	NP_057066.2
NCBI GenBank Nucleotide #	NM_015982.3
UniProt Accession #	Q9Y2T7; Q8N4P0; D3DTP1
Molecular Weight	38,518 Da
NCBI Official Full Name	Y-box-binding protein 2
NCBI Official Synonym Full Names	Y box binding protein 2
NCBI Official Symbol	YBX2
NCBI Official Synonym Symbols	DBPC; MSY2; CSDA3; CONTRIN
NCBI Protein Information	Y-box-binding protein 2; MSY2 homolog; DNA-binding protein C; germ cell specific Y-box binding protein; germ cell-specific Y-box-binding protein

UniProt Protein Name	Y-box-binding protein 2
UniProt Gene Name	YBX2
UniProt Synonym Gene Names	CSDA3; MSY2; Dbpc
UniProt Entry Name	YBOX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/msy2-ybox2-ybx2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126529>