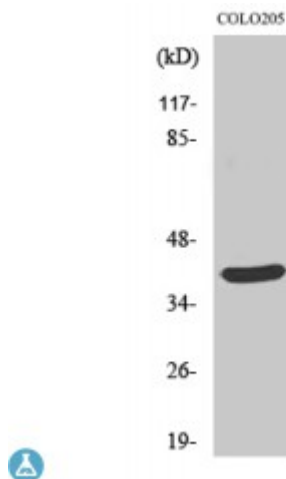


## Anti-MSY2 antibody



<b>Description</b>	Rabbit polyclonal to MSY2.
<b>Model</b>	STJ94271
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	ELISA, IF, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human MSY2
<b>Immunogen Region</b>	250-330 aa, C-terminal
<b>Gene ID</b>	<a href="#">51087</a>
<b>Gene Symbol</b>	<a href="#">YBX2</a>
<b>Dilution range</b>	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
<b>Specificity</b>	MSY2 Polyclonal Antibody detects endogenous levels of MSY2 protein.
<b>Tissue Specificity</b>	Expressed in oocytes and testicular germ cells in the stage of spermatogonia to spermatocyte. Also observed placental trophoblasts, as well as in vascular smooth muscle cells in the pulmonary artery, myocardium, and skeletal muscle. Undetectable in epithelial cells in respiratory, gastrointestinal, and urogenital tracts. Up-regulated in various carcinomas and germ cell tumors (at protein level).
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	Y-box-binding protein 2 Contrin DNA-binding protein C Dbpc Germ cell-

	specific Y-box-binding protein MSY2 homolog
<b>Molecular Weight</b>	38 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/condensedbook/condensedbook.cgi?acc=HGNC:17948OMIM:611447">HGNC:17948OMIM:611447</a>
<b>Alternative Names</b>	Y-box-binding protein 2 Contrin DNA-binding protein C Dbpc Germ cell-specific Y-box-binding protein MSY2 homolog
<b>Function</b>	Major constituent of messenger ribonucleoprotein particles (mRNPs). Involved in the regulation of the stability and/or translation of germ cell mRNAs. Binds to Y-box consensus promoter element. Binds to full length mRNA with high affinity in a sequence-independent manner. Binds to short RNA sequences containing the consensus site 5'-UCCAUCA-3' with low affinity and limited sequence specificity. Its binding with maternal mRNAs is necessary for its cytoplasmic retention. May mark specific mRNAs (those transcribed from Y-box promoters) in the nucleus for cytoplasmic storage, thereby linking transcription and mRNA storage/translational delay .
<b>Cellular Localization</b>	Cytoplasm Nucleus
<b>Post-translational Modifications</b>	Phosphorylated during oocyte maturation and dephosphorylated following egg activation. Phosphorylated in vitro by a kinase activity associated with testicular mRNPs. Dephosphorylation leads to a decrease in its affinity to bind RNA in vitro .