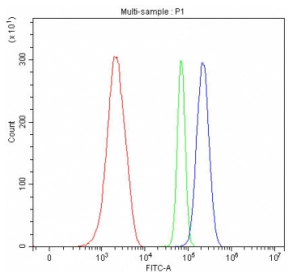
Y-box-binding protein 1 Antibody / YB1 / MYS1 (RQ7576)

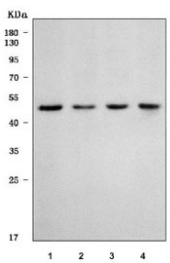
Catalog No.	Formulation	Size
RQ7576	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P62960
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Y-box-binding protein 1 antibody is available for research use only.



Flow cytometry testing of mouse ANA-1 cells with Y-box-binding protein 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Y-box-binding protein 1 antibody.



Western blot testing of 1) rat RH35, 2) mouse spleen, 3) mouse testis and 4) mouse Neuro-2a cell lysate with Y-box-binding protein 1 antibody. Expected molecular weight: 39~50 kDa depending on glycosylation level.

Description

Y box binding protein 1, also known as Y-box transcription factor or nuclease-sensitive element-binding protein 1, is a protein that in humans is encoded by the YBX1 gene. Enables chromatin binding activity; mRNA binding activity; and single-stranded DNA binding activity. Involved in epidermis development and negative regulation of cellular senescence. Acts upstream of or within several processes, including cellular response to interleukin-7; negative regulation of striated muscle cell differentiation; and negative regulation of transcription by RNA polymerase II. Located in cytoplasm and nucleus. Part of histone pre-mRNA 3'end processing complex. Is expressed in several structures, including branchial arch; central nervous system; facial prominence; gonad; and retina. Orthologous to human YBX1 (Y-box binding protein 1).

Application Notes

Optimal dilution of the Y-box-binding protein 1 antibody should be determined by the researcher.

Immunogen

Amino acids RRFPPYYMRRPYARRPQYSNPPVQ from the human protein were used as the immunogen for the Y-box-binding protein 1 antibody.

Storage

After reconstitution, the Y-box-binding protein 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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