

DATASHEET

YY1 Mouse Monoclonal Antibody(C3743)

CAT. NO. AMA03355

KEY FEATURES

Target	YY1	Source / Host	Mouse
Reactivity	Human, Rat, Monkey, Zebrafish	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2a . Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Multifunctional transcription factor that exhibits positive and negative control on a large number of cellular and viral genes by binding to sites overlapping the transcription start site . Binds to the consensus sequence 5'-CCGGCATNTT-3'; some genes have been shown to contain a longer binding motif allowing enhanced binding; the initial CG dinucleotide can be methylated greatly reducing the binding affinity . The effect on transcription regulation is depending upon the context in which it binds and diverse mechanisms of action include direct activation or repression, indirect activation or repression via cofactor recruitment, or activation or repression by disruption of binding sites or conformational DNA changes .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to YY1
Specificity	Recognizes endogenous levels of YY1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human YY1 . The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 44 kD; Observed: 60 kD
Form/Buffer	Mouse IgG2a . Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	INO80S; Transcriptional repressor protein YY1; Delta transcription factor; INO80 complex subunit S; NF-E1; Yin and yang 1; YY-1
Gene Symbol	YY1
Entrez Gene	7528(Human)
SwissProt	P25490(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

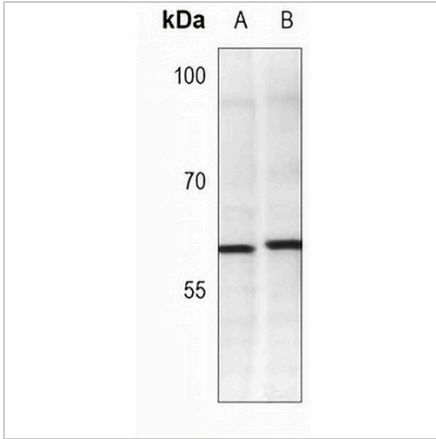
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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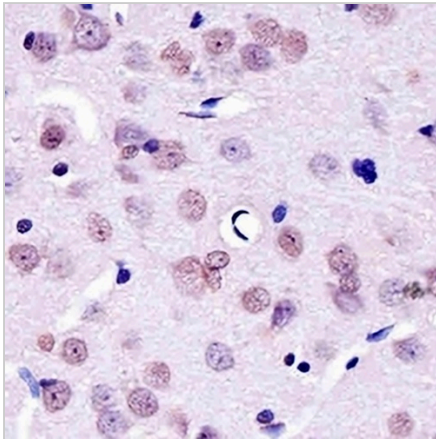
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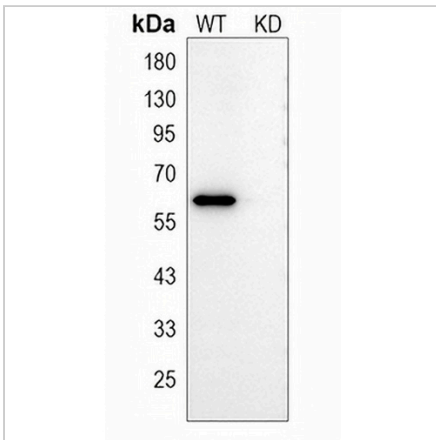
DATA



Western blot analysis of YY1 expression in 293 (A), C6 (B) whole cell lysates. (Predicted band size: 44 kD; Observed band size: 60 kD)



Immunohistochemical analysis of YY1 staining in rat brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blot analysis of YY1 expression in wild type (WT) and knockdown (KD) HeLa cell lysates.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.