



Datasheet for ABIN3029666

anti-YY1 antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	YY1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This YY1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified His-tagged protein was used to produced this monoclonal YY1 antibody.
Clone:	1183CT6-5-23-6
Isotype:	IgG2a
Purification:	Purified

Target Details

Target:	YY1
Alternative Name:	YY1 (YY1 Products)
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'-CCGCCATNTT-3', some genes have been shown to contain a longer binding motif allowing enhanced binding, the initial CG dinucleotide can be methylated

Target Details

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. Its activity is regulated by transcription factors and cytoplasmic proteins that have been shown to abrogate or completely inhibit YY1-mediated activation or repression. For example, it acts as a repressor in absence of adenovirus E1A protein but as an activator in its presence. May play an important role in development and differentiation. Proposed to recruit the PRC2/EED-EZH2 complex to target genes that are transcriptional repressed. Involved in DNA repair. In vitro, binds to DNA recombination intermediate structures (Holliday junctions). Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair, proposed to target the INO80 complex to YY1-responsive elements.

UniProt: [P25490](#)

Application Details

Application Notes: Titration of the YY1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

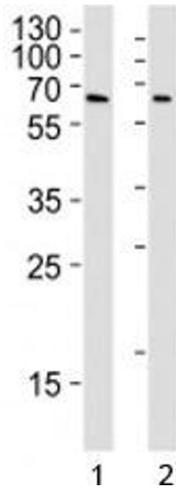
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

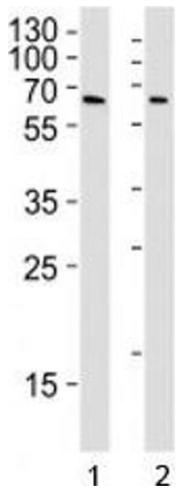
Storage: -20 °C

Storage Comment: Aliquot the YY1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. YY1 antibody western blot analysis in Daudi and U251 lysate. Predicted molecular weight 68/40 kDa.



Western Blotting

Image 2. YY1 antibody western blot analysis in Daudi and U251 lysate. Predicted molecular weight 68/40 kDa.