

## YY1 (Phospho-Ser187) Antibody

Catalog No: #SAB654

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## Description

Product Name	YY1 (Phospho-Ser187) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human
Specificity	YY1(Phospho-Ser187) Antibody detects endogenous levels of YY1( only when phosphorylated at Ser187.
Immunogen Description	A synthesized peptide derived from human YY1 around the phosphorylation site of Ser187.
Other Names	YY1,INO80S,NF-E1,YY-1,Delta transcription factor
SDS-PAGE MW	44kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl,0.02% sodium azide.
Storage	Store at -20°C/1 year

## Application Details

Western Blot: 1/500 - 1/2000

## 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 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.