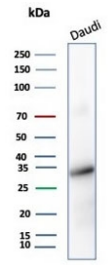
YY1 Antibody / Ying-Yang 1 [clone YY1/5436] (V4366)

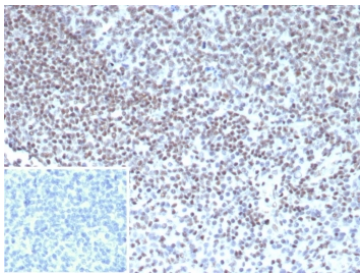
Catalog No.	Formulation	Size
V4366-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4366-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4366SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

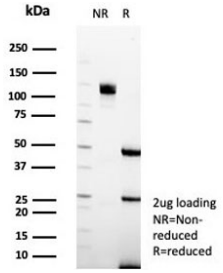
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	YY1/5436
Purity	Protein A/G affinity
UniProt	P25490
Localization	Nucleus
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This YY1 antibody is available for research use only.



Western blot testing of human Daudi cell lysate with YY1 antibody (YY1/5436). Predicted molecular weight ~45 kDa but commonly observed at 45~65 kDa.



IHC staining of FFPE human tonsil tissue with YY1 antibody (YY1/5436). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free YY1 antibody (clone YY1/5436) as confirmation of integrity and purity.

Description

The YY1 transcription factor, also known as NF-E1 (human) and Delta or UCRBP (mouse) is of interest due to its diverse effects on a wide variety of target genes. YY1 is broadly expressed in a wide range of cell types and contains four C-terminal zinc finger motifs of the Cys-Cys-His-His type and an unusual set of structural motifs at its N-terminal end. It binds to downstream elements in several vertebrate ribosomal protein genes, where it apparently acts positively to stimulate transcription and can act either negatively or positively in the context of the immunoglobulin k 3' enhancer and immunoglobulin heavy-chain Ã¯Â¿Â½E1 site as well as the P5 promoter of the adenoassociated virus. It thus appears that YY1 is a bifunctional protein, capable of functioning as an activator in some transcriptional control elements and a repressor in others.

Application Notes

Optimal dilution of the YY1 antibody should be determined by the researcher.

Immunogen

A His-tagged YY1 protein was used as the immunogen for the YY1 antibody.

Storage

Aliquot the YY1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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