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Polyclonal Antibody to YY1 (N-term) - Purified

Alternate names: Delta transcription factor, INO80 complex subunit S, INO80S, NF-E1, Transcriptional repressor protein YY1, YY-1, Yin and yang 1

Catalog No.: AP12239PU-N

Quantity: 0.4 ml

Concentration: lot specific

Background: YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1.

Uniprot ID: P25490

NCBI: 9606

GeneID: 7528

Host / Isotype: Rabbit / Ig

Immunogen: This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human YY1.

Format: **State:** Liquid purified Ig fraction.
Purification: Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative.

Applications: ELISA: 1/1,000.
Western Blot: 1/100-1/500.
Immunohistochemistry: 1/50-1/100.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is specific to YY1 (N-term).
Predicted to cross react with Mouse (100% Antigen Homology).
Species: Human.
Other species not tested.

Add. Information: **Predicted Molecular weight:** 44712 Da

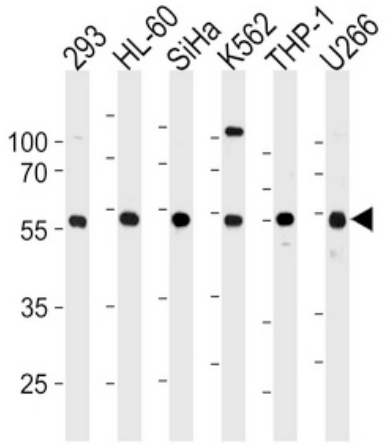
Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Sucharov, C.C., et al., J. Biol. Chem. 278(33):31233-31239 (2003).
2. Kurisaki, K., et al., Mol. Cell. Biol. 23(13):4494-4510 (2003).

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

3. Huang, N.E., et al., Biochem. Biophys. Res. Commun. 306(1):267-275 (2003).
4. Moriuchi, M., et al., J. Biol. Chem. 278(15):13003-13007 (2003).
5. Hiromura, M., et al., J. Biol. Chem. 278(16):14046-14052 (2003).

Pictures:

YY1 Antibody (L89) (Cat. #TA324719) western blot analysis in 293,HL-60,SiHa,K562,THP-1,U266 cell line lysates (35ug/lane).This demonstrates the YY1 antibody detected the YY1 protein (arrow).