

Goat anti-SATB1 Antibody

Item Number	dAP-1939
Target Molecule	Principle Name: SATB1; Official Symbol: SATB1; All Names and Symbols: SATB1; SATB homeobox 1; DNA-binding protein SATB1; special AT-rich sequence binding protein 1; special AT-rich sequence binding protein 1 (binds to nuclear matrix/scaffold-associating DNA's); Accession Number (s): NP_002962.1; Human Gene ID(s): 6304; Non-Human GeneID(s): 20230 (mouse) 316164 (rat)
Immunogen	ESDEENRQKTRPRT, is from internal region Reported variants NP_001124482.1 and NP_002962.1 represent identical protein.
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Experiments gave bands at approx. 110kDa and 85kDa in lysates of cell line MOLT4 after 0.3µg/ml antibody staining. The observed 110kDa band corresponds to earlier findings in literature with different antibodies (De Belle et al, J Cell Biol
IHC	Immunohistochemistry: In paraffin embedded Human Thymus shows select nuclear staining. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Tan JA, Sun Y, Song J, Chen Y, Krontiris TG, Durrin LK. SUMO conjugation to the matrix attachment region-binding protein, special AT-rich sequence-binding protein-1 (SATB1), targets SATB1 to promyelocytic nuclear bodies where it undergoes caspase cleavage. The Journal of biological chemistry

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**