

Rabbit SATB2 Polyclonal Antibody | anti-SATB2 antibody

SATB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39642	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

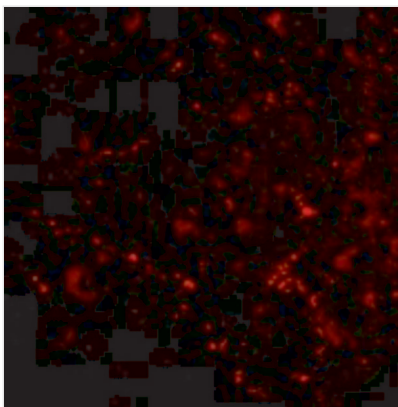
PRODUCT SYNONYMS

SATB2; Polyclonal Antibody; SATB2 Antibody; KIAA1034; DNA-binding protein SATB2; Special AT-rich sequence-binding protein 2; SATB homeobox 2; anti-SATB2 antibody

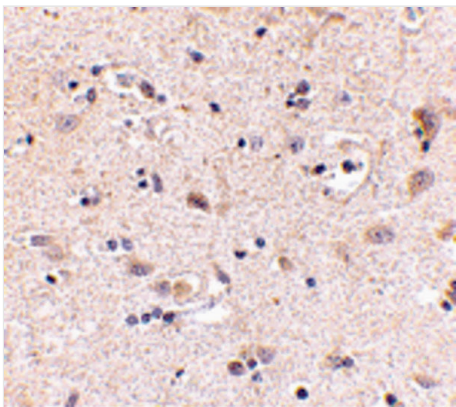
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of SATB2 are known to exist. This SATB2 antibody will not cross-react with SATB1.
Purity/Purification	SATB2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	733
Applicable Applications for anti-SATB2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SATB2 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of the human SATB2.
Buffer	SATB2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SATB2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

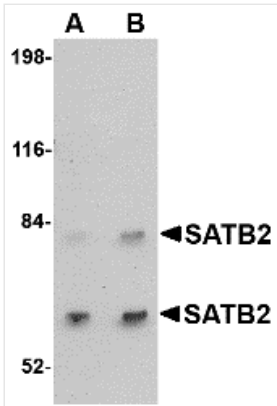
IMAGES



IF (Immunofluorescence)
Immunofluorescence of SATB2 in Human Brain cells with SATB2 antibody at 50 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of SATB2 in human brain with SATB2 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of SATB2 in A20 cell lysate with SATB2 antibody at (A) 2 and (B) 4 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SATB2 antibody

SATB2 Antibody: Human special AT-rich sequence-binding protein-2 (SATB2) is a nuclear matrix/scaffold-associated region DNA-binding protein. Like its homolog SATB1, SATB2 selectively binds double-stranded, special AT-rich DNA sequences, but is expressed primarily in a subset of postmitotic, differentiating neurons in the neocortex. Mice deficient in SATB exhibit craniofacial abnormalities and defects in osteoblast differentiation and function. SATB2 also interacts with and enhances the activity of Runx2 and ATF4, two transcription factors that regulate osteoblast differentiation, indicating that SATB2 acts as a molecular node in a transcriptional network regulating skeletal development and osteoblast differentiation. Recent experiments have shown that SATB2 interacts with histone deacetylase 1 and metastasis-associated protein 2, two proteins that are involved in chromatin remodeling, suggesting that SATB2 may also be involved in mediating epigenetic influences during cortical development.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13634020
NCBI GeneID	23314
UniProt Accession #	Q9UPW6; Q3ZB87; Q4V763; A8K5Z8
Molecular Weight	69,137 Da
NCBI Official Full Name	DNA-binding protein SATB2
NCBI Official Synonym Full Names	SATB homeobox 2

NCBI Official Symbol	SATB2
NCBI Official Synonym Symbols	GLSS
NCBI Protein Information	DNA-binding protein SATB2; SATB family member 2; special AT-rich sequence-binding protein 2
UniProt Protein Name	DNA-binding protein SATB2
UniProt Gene Name	SATB2
UniProt Synonym Gene Names	KIAA1034
UniProt Entry Name	SATB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/satb2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39642>