

Rabbit SATB2 Monoclonal Antibody | anti-SATB2 antibody

SATB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30388	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

SATB2; Monoclonal Antibody; SATB2 Antibody; DNA binding protein SATB2 antibody; DNA-binding protein SATB2 antibody; FLJ21474 antibody; FLJ32076 antibody; GLSS antibody; KIAA1034 antibody; MGC119474 antibody; MGC119477 antibody; SATB family member 2 antibody; SATB homeobox 2 antibody; SATB2 antibody; SATB2_HUMAN antibody; Special AT rich sequence binding protein 2 antibody; Special AT-rich sequence-binding protein 2 antibody; anti-SATB2 antibody

PRODUCT SPECIFICATIONS

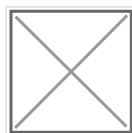
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SATB2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:1000 IHC: 1:50-1:200 ICC/IF: 1:50-1:100 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



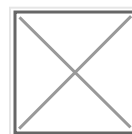
FCM (Flow Cytometry)

Flow cytometric analysis of SH-SY5Y cells with SATB2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



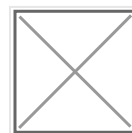
ICC (Immunocytochemistry)

ICC staining SATB2 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining SATB2 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining SATB2 in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-SATB2 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-SATB2 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-SATB2 antibody	SATB2 (Special AT-rich sequence-binding protein 2) is a nuclear matrix protein that influences craniofacial formation mechanisms, such as jaw and palate development, and is part of a transcriptional network regulating skeletal development and osteoblast differentiation. Highly expressed in adult and fetal brain, SATB2 contains two CUT DNA-binding domains and one homeobox domain and is closely related to SATB1, a transcriptional repressor. SATB2 is thought to bind to matrix-attachment regions (MARs) and regulate MAR-dependent transcription of various genes, including HoxA2 and ATF4 (CREB-2), involved in skeletal development. Functioning as both a transcriptional activator and repressor, SATB2 can also act as a protein scaffold that can enhance the activity of other DNA-binding proteins. Defects in the gene encoding SATB2 are the cause of cleft palate manifested in conjunction with severe mental retardation.
Product Categories/Family for anti-SATB2 antibody	Total protein Ab

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/satb2-antibody-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/30388>