DATENBLATT

SATB family member 2 (SATB2) Antibody, Mouse Monoclonal Antibody

Cat.# 20-372-60065

Gene Name:	SATB2
Gene Name Synonym:	FLJ21474; FLJ32076; KIAA1034; MGC119474;MGC119477
Gi #:	38016202
NCBI Acc #:	NP_056080.1
Swiss Prot Acc #:	Q3ZB87
Length (aa):	733
Mol. Weight (Da):	69137
Chrom Location:	N/A
Clone:	SATBA4B10
IGG Subclass:	IgG1
Preparation:	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility:	Filtered through a 0.22 um membrane.
Antibody Concentration:	100 ug/ml (1.0 ml)
Disposal:	This antibody solution contains sodium azide (NaN_3) as a preservative. There is a potential hazard that NaN_3 reacts with copper or lead to produce an explosive compound. For safe disposal,

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the vial has to be washed thoroughly with water.

- **Safety warnings and precautions**

Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately. Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves. It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice. All chemicals are deemed potentially harmful. The vial is prone to fall over. Use caution, especially when the lid is off.

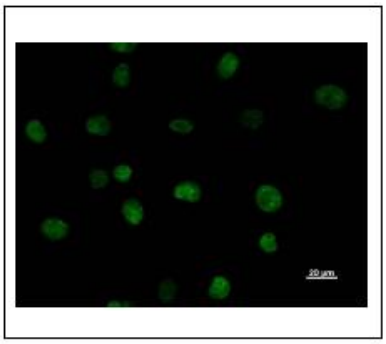
- **Source/Host:** Mouse
- **Clonality:** Monoclonal
- **Crossreactivity:** Human
- **Format:** Mouse monoclonal anti-human SATB2 antibody in PBS (3.0 mM KCl, 1.5 mM KH_2PO_4 ,140 mM NaCl, 8.0 mM Na_2HPO_4 (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN_3).
- **Storage:** Store at 2-8 C for up to one year. We recommend storing at -20 C for long-term storage. Avoid repeat freezing and thawing cycles.
- **Shipping:** Products may be shipped on ice pack or dry ice.

APPLICATIONS for SATB2 ANTIBODY:
DB, ICC, IP , WB: Tested

TESTING: (secondary reagents and protocols)
Immunocytochemistry (anti-SATB2)

SATB2 antibody unocytochemis image

- Mouse monoclonal IgG1
- Lot. No. SATBA4B10-1
- Clone No. SATBA4B10



1.st : Anti- SATB2 Antibody (1:5 dilution)

2.nd : Alexa Fluor® 488 Goat Anti-mouse IgG (Invitrogen) (1 : 200 dilution)

Sample : HeLa cell

Immunoprecipitation (anti-SATB2)

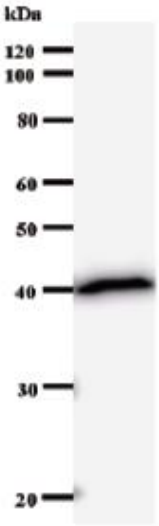
SATB2 antibody unoprecipitat image

RIPA lysate of HeLa cells : 200 µg

Anti-SATB2 antibody : 10 µg

Western Blot (anti-SATB2)

SATB2 antibody tern B image



Western blot analysis of immunized recombinant protein, using anti- SATB2 monoclonal antibody.

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.

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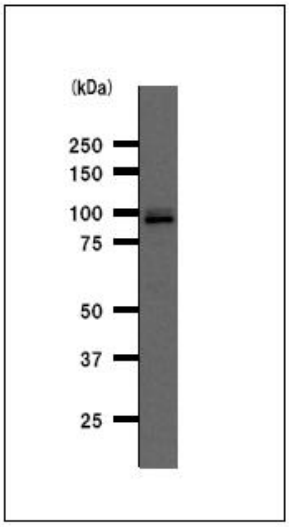
Western Blot (anti-SATB2)

SATB2 antibody tern B image

- Mouse monoclonal IgG1
- Lot. No. SATBA4B10-1
- Clone No. SATBA4B10
- Reagent ECL™ Western Blotting Detection Reagents RPN2106 (GE Healthcare)
- Instrument LAS-3000 Luminescent Image Analyzer (Fuji Film)



1st : Anti- SATB2 antibody (1:100 dilution)

2nd : Mouse IgG antibody (GE Healthcare) (1 : 2500 dilution)

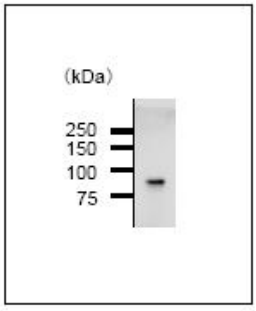
Sample : HT-1080 whole cell lysate 25µg

Western Blot (anti-SATB2)

SATB2 antibody tern B image

【Westernblot】

- Mouse monoclonal IgG1
- Lot. No. SATB4B10-1
- Clone No. SATB4B10
- Reagent ECL™ Western Blotting Detection Reagents RPN2106 (GE Healthcare)
- Instrument LAS-3000 Luminescent Image Analyzer (Fuji Film)



1st : Anti-HARS antibody (1:100 dilution)

2nd : Mouse IgG antibody (GE Healthcare) (1 : 2500 dilution)

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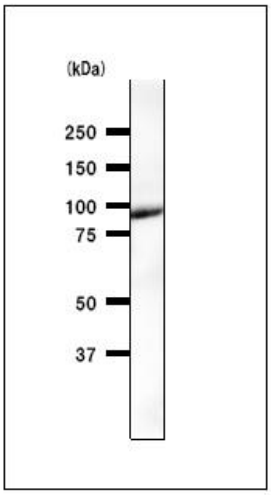
Western Blot (anti-SATB2)

SATB2 antibody tern B image

- Mouse monoclonal IgG1
- Lot. No. SATBA4B10-1
- Clone No. SATBA4B10
- Reagent SuperSignal® West Femto Maximum Sensitivity substrate (PIERCE)
- Instrument LAS-3000 Luminescent Image Analyzer (Fuji Film)



1st : Anti- SATB2 antibody (1:100 dilution)

2nd : Mouse IgG antibody (GE Healthcare) (1 : 2500 dilution)

Sample : NIH3T3 whole cell lysate 25µg

SATB2 ANTIBODY TARGET DESCRIPTION:
Synonym Names for SATB2 antibody: SATB2; FLJ21474; FLJ32076; KIAA1034; MGC119474;MGC119477; Mouse monoclonal anti-human SATB2 antibody; N/A; SATB homeobox 2; SATB2 protein

Subcellular Location: Nucleus (By similarity).

SATB family member 2 (SATB2) reacts with human.

OMIM: NCBI [608148]

BACKGROUND REFERENCES for SATB2 ANTIBODY:
Background references for antibody target are not specific to GenWay products

[1] Dobreva,G., Dambacher,J. and Grosschedl,R., et al.
SUMO modification of a novel MAR-binding protein, SATB2, modulates immunoglobulin mu gene expression
[2] Dobreva,G., Dambacher,J. and Grosschedl,R., et al.
SUMO modification of a novel MAR-binding protein, SATB2, modulates immunoglobulin mu gene expression
[3] FitzPatrick,D.R., Carr,I.M., McLaren,L., Leek,J.P., Wightman,P., Williamson,K., Gautier,P., McGill,N., Hayward,C., Firth,H.,, et al.
Identification of SATB2 as the cleft palate gene on 2q32-q33
[4] Machado,R.D., Pauciulo,M.W., Fretwell,N., Veal,C., Thomson,J.R., Vilarino

Guell,C., Aldred,M., Brannon,C.A., Trembath,R.C. and, et al.
A physical and transcript map based upon refinement of the critical interval for PPH1, a gene for familial primary pulmonary hypertension. The International PPH Consortium
[5] Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., Altschul S.F., et al.
Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.

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