

Nur für Forschungszwecke

SATB2 Monoklonaler Antikörper

Katalog-Nr.:67958-1-Ig

Vorgestelltes Produkt



Allgemeine Informationen

Katalog-Nr.: 67958-1-Ig	GenBank-Zugangsnummer: BC098136	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul, Konzentration: 1000 µg/ml von23314 Nanodrop;	GeneID (NCBI): von23314	CloneNo.: 2F8E2
Wirt: Maus	Vollständiger Name: SATB homeobox 2	Empfohlene Verdünnungen: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotyp: IgG1	Berechnete Masse: 733 aa, 83 kDa	
Immunogen Katalognummer: AG17237	Beobachtete Masse: 85-100 kDa	

Anwendungen

Geprüfte Anwendungen:

IHC, WB, ELISA

Getestete Reaktivität:

Human, Maus

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HEK-293-Zellen, fetales humanes Hirngewebe, K-562-Zellen, NIH/3T3-Zellen, SW480-Zellen

IHC : humanes Kolongewebe,

Hintergrundinformationen

SATB2, also named as KIAA1034, belongs to the CUT homeobox family. SATB2 binds to DNA at nuclear matrix- or scaffold-associated regions. SATB2 recognizes the sugar-phosphate structure of double-stranded DNA. SATB2 is a transcription factor controlling nuclear gene expression, by binding to matrix attachment regions (MARs) of DNA and inducing a local chromatin-loop remodeling. SATB2 acts as a docking site for several chromatin remodeling enzymes and also by recruiting corepressors (HDACs) or coactivators (HATs) directly to promoters and enhancers. It is required for the initiation of the upper-layer neurons (UL1) specific genetic program and for the inactivation of deep-layer neurons (DL) and UL2 specific genes, probably by modulating BCL11B expression. It is a repressor of Ctip2 and regulatory determinant of corticocortical connections in the developing cerebral cortex. SATB2 may play an important role in palate formation. SATB2 acts as a molecular node in a transcriptional network regulating skeletal development and osteoblast differentiation. SATB2 has two isoforms produced by alternative splicing with the MW of 70 kDa and 83 kDa. It can be detected as 85-105 kDa by sumo modification (PMID: 14701874, PMID: 35140581).

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

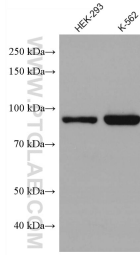
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

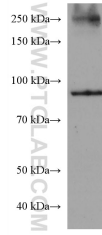
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

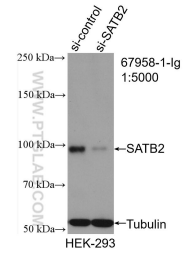
Ausgewählte Validierungsdaten



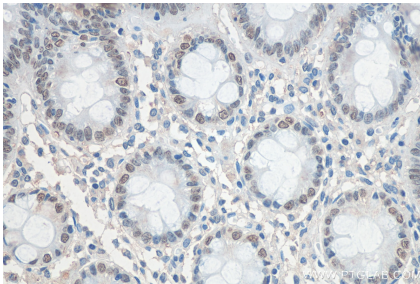
Various lysates were subjected to SDS PAGE followed by western blot with 67958-1-Ig (SATB2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



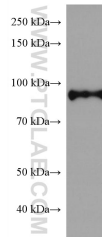
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67958-1-Ig (SATB2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



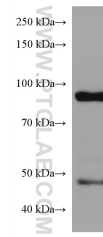
WB result of SATB2 antibody (67958-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SATB2 transfected HEK-293 cells.



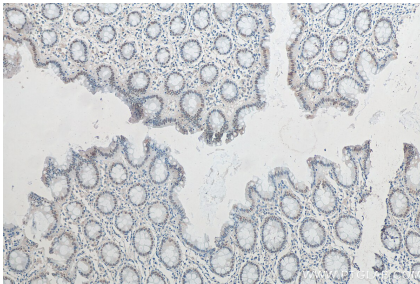
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67958-1-Ig (SATB2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 67958-1-Ig (SATB2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



SW480 cells were subjected to SDS PAGE followed by western blot with 67958-1-Ig (SATB2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67958-1-Ig (SATB2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).