

À des fins de recherche uniquement

Anticorps Monoclonal anti-SATB2

Numéro de catalogue: 67958-1-Ig Phare



Informations de base

Numéro de catalogue:	67958-1-Ig	Numéro d'acquisition GenBank:	BC098136	Méthode de purification:	Purification par protéine G
Taille:	150ul, Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI):	23314	CloneNo.:	2F8E2
Hôte:	Mouse	Nom complet:	SATB homeobox 2	Dilutions recommandées:	WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype:	IgG1	MW calculé:	733 aa, 83 kDa		
Immunogen Catalog Number:	AG17237	MW observés:	85-100 kDa		

Applications

Applications testées:

IHC, WB, ELISA

Spécificité de l'espèce:

Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HEK-293, cellules K-562, cellules NIH/3T3, cellules SW480, tissu cérébral humain foetal

IHC : tissu de côlon humain,

Informations générales

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).

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

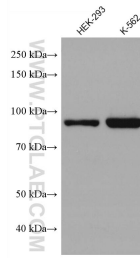
For technical support and original validation data for this product please contact:

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

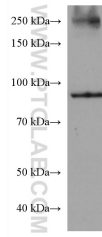
E: proteintech@ptglab.com
W: ptglab.com

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

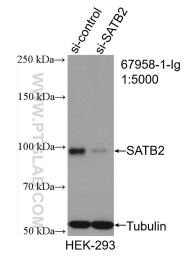
Données de validation sélectionnées



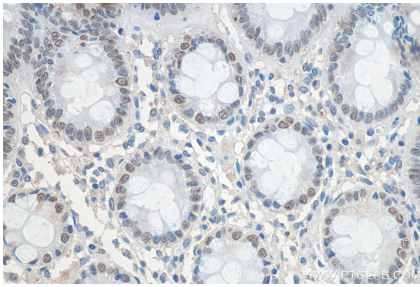
Various lysates were subjected to SDS PAGE followed by western blot with 67958-1-Ig (SATB2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



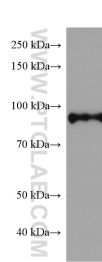
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 67958-1-Ig (SATB2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



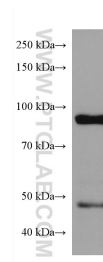
WB result of SATB2 antibody (67958-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SATB2 transfected HEK-293 cells.



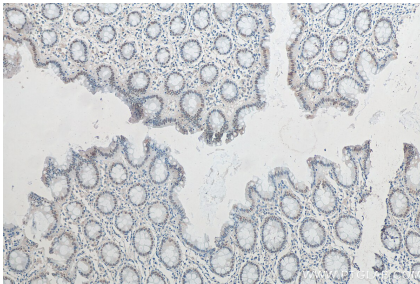
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 67958-1-Ig (SATB2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).