

SAP30 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17053b

Product Information

Application	WB, E
Primary Accession	O75446
Other Accession	NP_003855.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36897
Calculated MW	23306
Antigen Region	189-218

Additional Information

Gene ID	8819
Other Names	Histone deacetylase complex subunit SAP30, 30 kDa Sin3-associated polypeptide, Sin3 corepressor complex subunit SAP30, Sin3-associated polypeptide p30, SAP30 (HGNC:10532)
Target/Specificity	This SAP30 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 189-218 amino acids from the C-terminal region of human SAP30.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SAP30 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SAP30 (HGNC:10532)
Function	Involved in the functional recruitment of the Sin3-histone deacetylase

complex (HDAC) to a specific subset of N-CoR corepressor complexes. Capable of transcription repression by N-CoR. Active in deacetylating core histone octamers (when in a complex) but inactive in deacetylating nucleosomal histones.

Cellular Location

Nucleus.

Tissue Location

Expressed in all tissues tested with highest levels in pancreas, ovary, PBL, spleen and thymus; lowest levels in brain, placenta, lung and kidney.

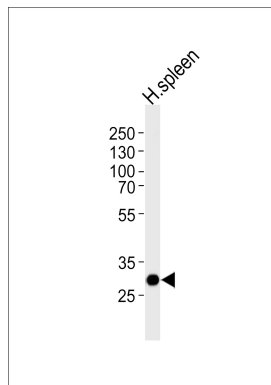
Background

Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. The protein encoded by this gene is a component of the histone deacetylase complex, which includes SIN3, SAP18, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This complex is active in deacetylating core histone octamers, but inactive in deacetylating nucleosomal histones. A pseudogene of this gene is located on chromosome 3. [provided by RefSeq].

References

Brandt, S., et al. Int. J. Biochem. Cell Biol. 42(9):1472-1481(2010)
Viiri, K.M., et al. Mol. Cell. Biol. 29(2):342-356(2009)
Sichtig, N., et al. Arch. Biochem. Biophys. 467(1):67-75(2007)
Szafranski, K., et al. Genome Biol. 8 (8), R154 (2007) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)

Images



Western blot analysis of lysate from human spleen tissue lysate, using SAP30 Antibody (C-term)(Cat. #AP17053b). AP17053b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.