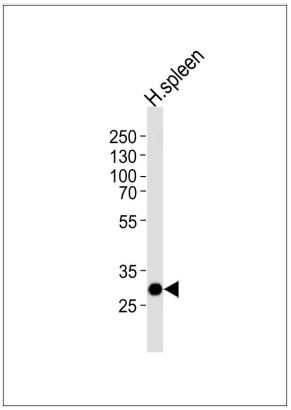
SAP30 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SAP30, Polyclonal Antibody
Full Product Name	SAP30 Antibody (C-term)
Product Gene Name	anti-SAP30 antibody
Product Synonym Names	Histone deacetylase complex subunit SAP30; 30 kDa Sin3-associated polypeptide; Sin3 corepressor complex subunit SAP30; Sin3-associated polypeptide p30; SAP30 HGNC:10532)
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.49 (lot specific)
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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	SAP30 peptide (MBS9222225) is used for blocking the activity of SAP30 antibody (MBS9212296)
Molecular Weight	23306
Immunogen Sequence Positions	189-218
OMIM	603378
3D Structure	ModBase 3D Structure for O75446
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Applications Tested/Suitable for anti-SAP30 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-SAP30 antibody	WB~~1:1000
Related Product Information for anti-SAP30 antibody	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].

Product References and Citations for anti-SAP30 antibody	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)
Other Notes	Small volumes of anti-SAP30 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SAP30 purchase	MBS9212296 is an antibody targeting SAP30. Also known as SAP30 Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SAP30 antibody
Western blot analysis of lysate from human spleen tissue lysate, using SAP30 Antibody (C-term). MBS9212296 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SAP30. It may not necessarily be applicable to this product.

NCBI GI #	4506783
NCBI GeneID	8819
NCBI Accession #	NP_003855.1
UniProt Primary Accession #	O75446
UniProt Secondary Accession #	D3DP38
UniProt Related Accession #	O75446
GenBank Nucleotide #	NM_003864.3
NCBI Official Full Name	histone deacetylase complex subunit SAP30
NCBI Official Synonym Full Names	Sin3A-associated protein, 30kDa
NCBI Official Symbol	SAP30
UniProt Protein Name	Histone deacetylase complex subunit SAP30
UniProt Synonym Protein Names	30 kDa Sin3-associated polypeptide; Sin3 corepressor complex subunit SAP30; Sin3-associated polypeptide p30
Protein Family	Histone deacetylase complex
UniProt Gene Name	SAP30
UniProt Entry Name	SAP30_HUMAN
NCBI Protein Information	histone deacetylase complex subunit SAP30

NCBI Summary for SAP30	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, Jul 2008]
UniProt Comments for SAP30	SAP30: 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. Belongs to the SAP30 family. Protein type: Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 4q34.1 Cellular Component: nucleoplasm; histone deacetylase complex Molecular Function: protein binding; DNA binding; metal ion binding; transcription corepressor activity Biological Process: establishment and/or maintenance of chromatin architecture; transcription, DNA-dependent; regulation of transcription, DNA-dependent; negative regulation of gene expression, epigenetic; gene expression; negative regulation of transcription from RNA polymerase II promoter; regulation of gene expression, epigenetic
Research Articles on SAP30	**1.** In the nucleus, SLy2 interacts with the SAP30/HDAC1 complex and regulates the activity of HDAC1.
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