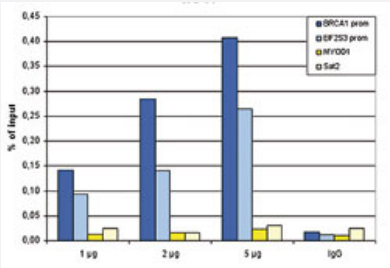
SAP30 polyclonal antibody

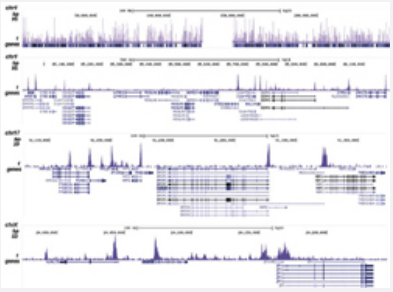
Catalog # PAB31280 Size 50 ug

Applications



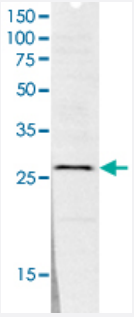
ChIP

ChIP assays were performed using HeLa cells. A titration of the antibody consisting of 1, 2 and 5 ug per ChIP experiment was analysed. IgG (1 ug/ IP) was used as negative IP control. QPCR was performed with primers for the EIF2S3 and BRCA1 promoters, used as positive controls, and for the MYOD1 gene and the Sat2 satellite repeat, used as negative controls. The figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



ChIP-Seq

ChIP was performed on sheared chromatin from 4 million HeLa cells using 5 ug antibody. The figure shows the enrichment along the complete sequence and a 1.5 Mb region of human chromosome 1 and in two genomic regions surrounding the BRCA1 and EIF2S3 genes on chromosome 17 and X.



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of 20 ug nuclear extracts of HeLa cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant SAP30.

Immunogen	Recombinant His-tag fusion protein corresponding to human SAP30.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) ChIP (2-5 ug/CHIP) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide, 0.05% proclin 300).
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- ChIP

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- ChIP-Seq

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- Western Blot (Cell lysate)

  Western Blot (Cell lysate) analysis of 20 ug nuclear extracts of HeLa cells.

Gene Info — SAP30

Entrez GeneID	8819
Protein Accession#	O75446

Gene Name	SAP30
Gene Alias	-
Gene Description	Sin3A-associated protein, 30kDa
Omim ID	603378
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	Sin3 corepressor complex subunit SAP30|Sin3-associated polypeptide, 30kDa|histone deacetylase complex subunit SAP30