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# SAP30 Antibody (monoclonal) (M02)

**Mouse monoclonal antibody raised against a partial recombinant SAP30.**
**Catalog # AT3771a**

## Specification

### SAP30 Antibody (monoclonal) (M02) - Product Information

| | |
|---|---|
| Application | **IF, WB, IHC, E** |
| Primary Accession | O75446 |
| Other Accession | NM_003864 |
| Reactivity | **Human** |
| Host | **mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG2b Kappa** |
| Calculated MW | **23306** |

### SAP30 Antibody (monoclonal) (M02) - 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 (<a href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=10532" target="_blank">HGNC:10532</a>)

**Target/Specificity**
SAP30 (NP_003855, 131 a.a. ~ 219 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**
WB~~1:500~1000

**Format**
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**
SAP30 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### SAP30 Antibody (monoclonal) (M02) - Protocols

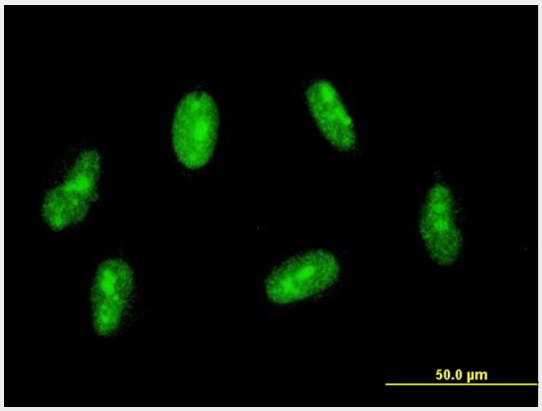
Provided below are standard protocols that you may find useful for product applications.

- Western Blot

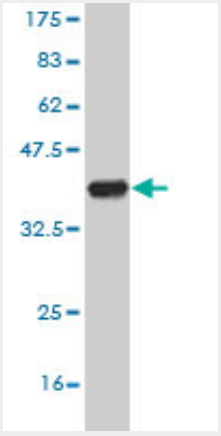
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- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

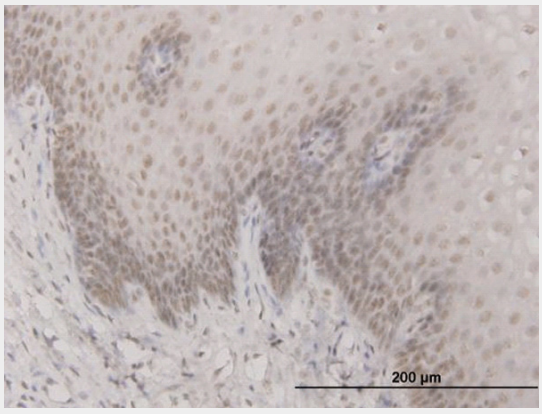
**SAP30 Antibody (monoclonal) (M02) - Images**




Immunofluorescence of monoclonal antibody to SAP30 on HeLa cell . [antibody concentration 10 ug/ml]

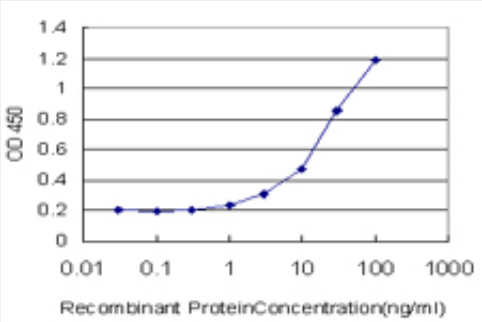



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.53 KDa) .



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Immunoperoxidase of monoclonal antibody to SAP30 on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 1.5 ug/ml]




Detection limit for recombinant GST tagged SAP30 is approximately 1ng/ml as a capture antibody.

**SAP30 Antibody (monoclonal) (M02) - 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.

**SAP30 Antibody (monoclonal) (M02) - References**

DNA-binding and -bending activities of SAP30L and SAP30 are mediated by a zinc-dependent module and monophosphoinositides. Viiri KM, et al. Mol Cell Biol, 2009 Jan. PMID 19015240.Papillomavirus binding factor binds to SAP30 and represses transcription via recruitment of the HDAC1 co-repressor complex. Sichtig N, et al. Arch Biochem Biophys, 2007 Nov 1. PMID 17897615.Violating the splicing rules: TG dinucleotides function as alternative 3' splice sites in U2-dependent introns. Szafranski K, et al. Genome Biol, 2007. PMID 17672918.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.ING tumor suppressor proteins are critical regulators of chromatin acetylation required for genome expression and perpetuation. Doyon Y, et al. Mol Cell, 2006 Jan 6. PMID 16387653.