10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SND1/P100 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1189a

Specification

SND1/P100 Antibody - Product Information

Application	**WB**
Primary Accession	Q7KZF4
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**102kDa KDa**

Description
SND1/P100 (staphylococcal nuclease and tudor domain containing 1), also known as TudorSN, it functions in the Pim-1 regulation of Myb activity and acts as a transcriptional activatior of EBNA-2. It also interacts with EAV, NSP1,GTF2E1 and GTF2E2, and forms a ternary complex with Stat6 and POLR2A. The staphylococcal nuclease-like (SN)-domains directly interact with amino acids 1099-1758 of CBP. SND1/P100 plays an important role in the assembly of Stat6 transcriptome and stimulates IL-4-dependent transcription by mediating interaction between Stat6 and CBP.

Immunogen
Purified recombinant fragment of SND1 (aa361-485) expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

SND1/P100 Antibody - Additional Information

Gene ID 27044

Other Names
Staphylococcal nuclease domain-containing protein 1, 100 kDa coactivator, EBNA2 coactivator p100, Tudor domain-containing protein 11, p100 co-activator, SND1, TDRD11

Dilution
WB~~1/500 - 1/2000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SND1/P100 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SND1/P100 Antibody - Protein Information

Name SND1

Synonyms TDRD11

Function
Endonuclease that mediates miRNA decay of both protein-free and AGO2-loaded miRNAs (PubMed:28546213, PubMed:18453631). As part of its function in miRNA decay, regulates mRNAs involved in G1-to-S phase transition (PubMed:28546213). Functions as a bridging factor between STAT6 and the basal transcription factor (PubMed:12234934). Plays a role in PIM1 regulation of MYB activity (PubMed:9809063). Functions as a transcriptional coactivator for STAT5 (By similarity).

Cellular Location
Cytoplasm. Nucleus. Melanosome Note=In IL-4 stimulated cells colocalizes with STAT6 in the nucleus (PubMed:12234934). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065)

Tissue Location
Ubiquitously expressed.

SND1/P100 Antibody - Protocols

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

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

SND1/P100 Antibody - Images

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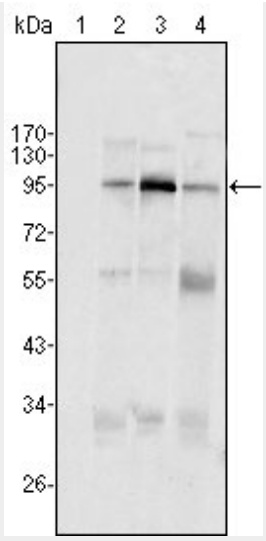


Figure 1: Western blot analysis using SND1/P100 mouse mAb against Hela (1), Jukat (2), HepG2 (3) SMMC-7721 (4) cell lysate.

SND1/P100 Antibody - References

1. J Gen Virol. 2003 Sep;84(Pt 9):2317-22. 2. Biochim Biophys Acta. 2005 Jan 11;1681(2-3):126-33.