

# WDSOF1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP10838b

### Specification

# WDSOF1 Antibody (C-term) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW Antigen Region IHC-P, WB,E <u>Q9NV06</u> <u>NP\_056235.3</u> Human, Mouse Rabbit Polyclonal Rabbit IgG 51402 369-398

### WDSOF1 Antibody (C-term) - Additional Information

Gene ID 25879

Other Names DDB1- and CUL4-associated factor 13, WD repeat and SOF domain-containing protein 1, DCAF13, WDSOF1

#### Target/Specificity

This WDSOF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 369-398 amino acids from the C-terminal region of human WDSOF1.

**Dilution** IHC-P~~1:50~100 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** 

WDSOF1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### WDSOF1 Antibody (C-term) - Protein Information

Name DCAF13 (<u>HGNC:24535</u>)



# Synonyms WDSOF1

**Function** Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre- rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre- ribosomal RNA by the RNA exosome (PubMed:<u>34516797</u>). Participates in the 18S rRNA processing in growing oocytes, being essential for oocyte nonsurrounded nucleolus (NSN) to surrounded nucleolus (SN) transition (PubMed:<u>30283081</u>).

#### **Cellular Location**

Nucleus, nucleolus. Note=In the nucleolus, localizes predominantly in the granular component, but also detected in the fibrillar center and dense fibrillar component

#### **Tissue Location**

Expressed in the endometrium during decidualization. Expression is down-regulated in preeclampsia decidual tissues.

# WDSOF1 Antibody (C-term) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

### WDSOF1 Antibody (C-term) - Images



WDSOF1 Antibody (C-term) (Cat. #AP10838b) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the WDSOF1 antibody detected the WDSOF1 protein (arrow).





WDSOF1 antibody (C-term) (Cat. #AP10838b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WDSOF1 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

# WDSOF1 Antibody (C-term) - Background

Possible role in ribosomal RNA processing (By similarity). May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex.

# WDSOF1 Antibody (C-term) - References

Urano, T., et al. Bone 47(3):636-642(2010) Jin, J., et al. Mol. Cell 23(5):709-721(2006) Andersen, J.S., et al. Curr. Biol. 12(1):1-11(2002)