

DCAF13 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59243

Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession

Reactivity
Rat, Dog

Host
Clonality
Polyclonal
Calculated MW
Physical State

Q9NV06
Rat, Dog
Rabbit
Polyclonal
51402
Liquid

Immunogen KLH conjugated synthetic peptide derived from human DCAF13

Epitope Specificity 301-400/445

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus, nucleolus (By similarity).

SIMILARITY Contains 7 WD repeats. **SUBUNIT** Interacts with DDB1.

Important Note This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

Background Descriptions Made up of nearly 146 million bases, chromosome 8 encodes about 800

genes. Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and typically associated with a poor prognosis. Portions of chromosome 8 have been linked to schizophrenia and bipolar disorder. Trisomy 8, also known as Warkany syndrome 2, most often results in early miscarriage but is occasionally seen in a mosaic form in surviving patients who suffer to a varying degree from a number of symptoms including retarded mental and motor development, and certain facial and developmental defects. WRN is a DNA helicase encoded by chromosome 8 and shown defective in those with the early aging disorder Werner syndrome. Chromosome 8 is also associated

with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg

syndrome.

Additional Information

Gene ID 25879

Other Names DDB1- and CUL4-associated factor 13, WD repeat and SOF domain-containing

protein 1, DCAF13, WDSOF1

Dilution IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000

Format 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name DCAF13 (HGNC:24535)

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:34516797). Participates in the 18S rRNA processing in growing oocytes, being essential for oocyte nonsurrounded nucleolus (NSN) to

surrounded nucleolus (SN) transition (PubMed:30283081).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.