
Product Name: Parafibromin Rabbit Polyclonal Antibody**Catalog #: APRab15751**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	60kDa

Antigen Information

Gene Name	CDC73 C1orf28 HRPT2
Alternative Names	Parafibromin (Cell division cycle protein 73 homolog) (Hyperparathyroidism 2 protein)
Gene ID	79577.0
SwissProt ID	Q6P1J9
Immunogen	Synthesized peptide derived from human Parafibromin. at AA range: 51-100

Background

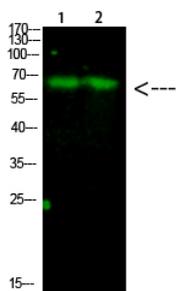
This gene encodes a tumor suppressor that is involved in transcriptional and post-transcriptional control pathways. The protein is a component of the the PAF protein complex, which associates with the RNA polymerase II subunit POLR2A and with a

histone methyltransferase complex. This protein appears to facilitate the association of 3' mRNA processing factors with actively-transcribed chromatin. Mutations in this gene have been linked to hyperparathyroidism-jaw tumor syndrome, familial isolated hyperparathyroidism, and parathyroid carcinoma. [provided by RefSeq, Jul 2009],disease:Defects in CDC73 are a cause of familial isolated hyperparathyroidism (FIHP) [MIM:145000]; also known as hyperparathyroidism type 1 (HRPT1). FIHP is an autosomal dominant disorder characterized by hypercalcemia, elevated parathyroid hormone (PTH) levels, and uniglandular or multiglandular parathyroid tumors.,disease:Defects in CDC73 are a cause of parathyroid carcinoma [MIM:608266]. These cancers characteristically result in more profound clinical manifestations of hyperparathyroidism than do parathyroid adenomas, the most frequent cause of primary hyperparathyroidism. Early en bloc resection of the primary tumor is the only curative treatment.,disease:Defects in CDC73 are the cause of hyperparathyroidism-jaw tumor syndrome (HPT-JT) [MIM:145001]; also known as hyperparathyroidism type 2 (HRPT2) or familial primary hyperparathyroidism with multiple ossifying jaw fibromas. HPT-JT is an autosomal dominant, multiple neoplasia syndrome primarily characterized by hyperparathyroidism due to parathyroid tumors. Thirty percent of individuals with HPT-JT may also develop ossifying fibromas, primarily of the mandible and maxilla, which are distinct from the brown tumors associated with severe hyperparathyroidism. Kidney lesions may also occur in HPT-JT as bilateral cysts, renal hamartomas or Wilms tumors.,function:Tumor suppressor probably involved in transcriptional and post-transcriptional control pathways. May be involved in cell cycle progression through the regulation of cyclin D1/PRAD1 expression.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 300.,similarity:Belongs to the CDC73 family.,subunit:Part of the PAF1 complex. Interacts with the RNA polymerase II large subunit (RPB1) and LEO1. Interacts with a Set1-like complex that has histone methyltransferase activity and methylates histone H3. Found in a complex with BCL9L, CDC73, CTNNB1 and PYGO1.,tissue specificity:Found in adrenal and parathyroid glands, kidney and heart.,

Research Area

Epigenetics and Nuclear Signaling; Transcription; Cancer susceptibility; Tumor Suppressors

Image Data



Western Blot analysis of 1,mouse-liver 2,mouse-brain cells using Parafibromin Rabbit Polyclonal Antibody diluted at 1:1000 (4°C overnight) . Secondary antibody : Goat Anti-rabbit IgG IRDye 800 (diluted at 1:5000, 25°C, 1 hour)