Product Name: TRPS1 Rabbit Polyclonal Antibody
Catalog #: APRab19326
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
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,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	141kDa

Antigen Information

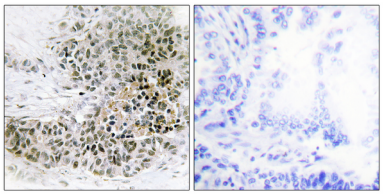
Gene Name	TRPS1
Alternative Names	TRPS1; Zinc finger transcription factor Trps1; Tricho-rhino-phalangeal syndrome type I protein; Zinc finger protein GC79
Gene ID	7227.0
SwissProt ID	Q9UHF7
Immunogen	The antiserum was produced against synthesized peptide derived from human TRPS1. AA range:121-170

Background

transcriptional repressor GATA binding 1(TRPS1) Homo sapiens This gene encodes a transcription factor that represses GATA-regulated genes and binds to a dynein light chain protein. Binding of the encoded protein to the dynein light chain protein affects binding to GATA consensus sequences and suppresses its transcriptional activity. Defects in this gene are a cause of tricho-rhino-phalangeal syndrome (TRPS) types I-III. [provided by RefSeq, Jul 2008],disease:A chromosomal aberration involving TRPS1 is a cause of tricho-rhino-phalangeal syndrome type II (TRPS2) [MIM:150230]. TRPS2 is a contiguous gene syndrome due to deletions in chromosome 8q24.1 and resulting in the loss of functional copies of TRPS1 and EXT1.,disease:Defects in TRPS1 are the cause of tricho-rhino-phalangeal syndrome type I (TRPS1) [MIM:190350]. TRPS1 is an autosomal dominant disorder characterized by craniofacial and skeletal abnormalities. It is allelic with tricho-rhino-phalangeal type III. Typical features include sparse scalp hair, a bulbous tip of the nose, protruding ears, a long flat philtrum and a thin upper vermilion border. Skeletal defects include cone-shaped epiphyses at the phalanges, hip malformations and short stature.,disease:Defects in TRPS1 are the cause of tricho-rhino-phalangeal syndrome type III (TRPS3) [MIM:190351]. TRPS3 is an autosomal dominant disorder characterized by craniofacial and skeletal abnormalities. It is allelic with tricho-rhino-phalangeal type I. In TRPS3 a more severe brachydactyly and growth retardation are observed.,function:Transcriptional repressor. May act to restrict expression of GATA-regulated genes at selected sites and stages in vertebrate development. Might be involved in prostate cancer apoptosis.,similarity:Contains 1 GATA-type zinc finger.,similarity:Contains 7 C2H2-type zinc fingers.,subunit:Binds specifically to GATA sequences.,tissue specificity:Ubiquitously expressed in the adult. Found in fetal brain, lung, kidney, liver, spleen and thymus. More highly expressed in androgen-dependent than in androgen-independent prostate cancer cells.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using TRPS1 Antibody. The picture on the right is blocked with the synthesized peptide.