Best Tools for immunology Research

Treacle Polyclonal Antibody

Catalog No :	YT4731
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Treacle
Fields :	>>Ribosome biogenesis in eukaryotes
Gene Name :	TCOF1
Protein Name :	Treacle protein
Human Gene Id :	6949
Human Swiss Prot No :	Q13428
Mouse Gene Id :	21453
Mouse Swiss Prot No :	O08784
Immunogen :	The antiserum was produced against synthesized peptide derived from human TCOF1. AA range:41-90
Specificity :	Treacle Polyclonal Antibody detects endogenous levels of Treacle protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 152kD

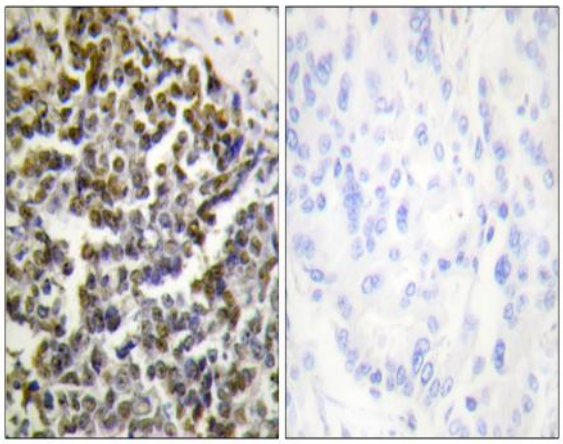
Background : This gene encodes a nucleolar protein with a LIS1 homology domain. The protein is involved in ribosomal DNA gene transcription through its interaction with upstream binding factor (UBF). Mutations in this gene have been associated with Treacher Collins syndrome, a disorder which includes abnormal craniofacial development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008],

Function : disease:Defects in TCOF1 are the cause of Treacher Collins syndrome (TCS) [MIM:154500]. TCS is an autosomal dominant disorder of craniofacial development that occurs with an incidence of 1/50,000 live births. The clinical features of TCS are bilaterally symmetrical and include: (1) abnormalities of the external ears, atresia of the external ear canals, and malformation of the middle ear ossicles, which may result in conductive hearing loss; (2) lateral downward sloping of palpebral fissures, frequently with colobomas of the lower eyelids; (3) hypoplasia of the mandible and zygomatic complex; (4) cleft palate.,function:May be involved in nucleolar-cytoplasmic transport. May play a fundamental role in early embryonic development, particularly in development of the craniofacial complex.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 LisH domain.,

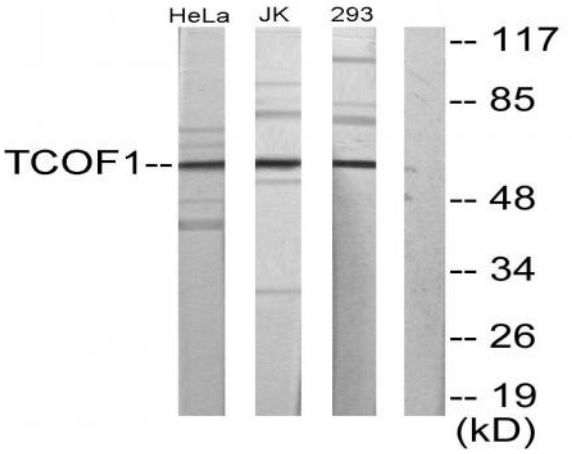
Subcellular Location : Nucleus, nucleolus .

Expression : Brain,Epithelium,Eye,Skin,Testis,Thymus,

Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using TCOF1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat, 293, HeLa cells, using TCOF1 Antibody. The lane on the right is blocked with the synthesized peptide.