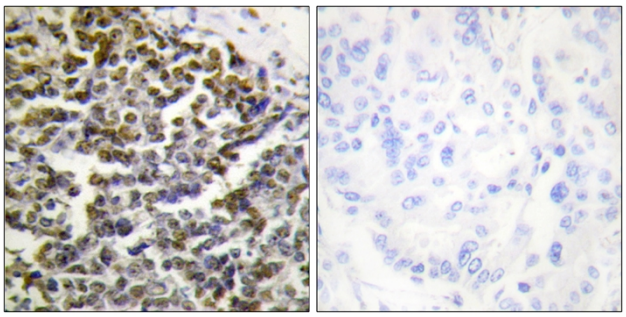
Treacle Polyclonal Antibody

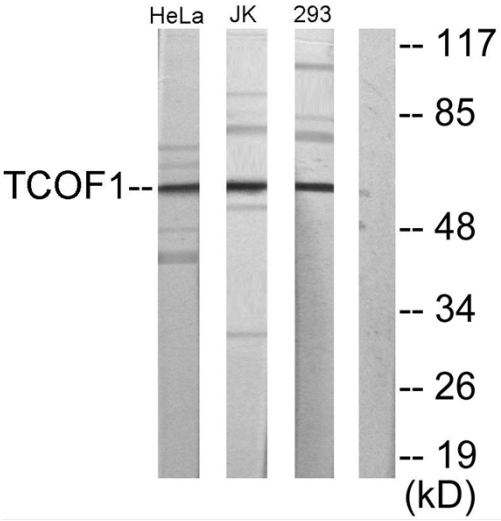
Catalog No	YP-Ab-02137
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	TCOF1
Protein Name	Treacle protein
Immunogen	The antiserum was produced against synthesized peptide derived from human TCOF1. AA range:41-90
Specificity	Treacle Polyclonal Antibody detects endogenous levels of Treacle protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TCOF1; Treacle protein; Treacher Collins syndrome protein
Observed Band	152kD
Cell Pathway	Nucleus, nucleolus .
Tissue Specificity	Brain,Epithelium,Eye,Skin,Testis,Thymus,
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.,

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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.