



GTPBA rabbit pAb

Catalog No	YP-Ab-09119
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	GTPBP10 OBGH2 UG0751c10
Immunogen	Synthesized peptide derived from human GTPBA AA range: 56-106
Specificity	This antibody detects endogenous levels of GTPBA at Human/Mouse
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 serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BC3457;Claudin 12;Cldn12;FLJ38242;GTP binding protein 1 (putative);GTP-binding protein 1;GTPBA_HUMAN;GTPBP1;MGC14191;MGC3495;ObgH2;Protein obg homolog 2;GTPBA;GTPBP10 OBGH2 UG0751c10
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus, nucleolus . Chromosome . Found in the dense fibrillar compartment region of the nucleolus. At the onset of mitosis moves to the chromosome surface and remains there until anaphase. Gradually re-assembles into the nucleolus at late anaphase to telophase.
Tissue Specificity	
Function	function:May be involved in the ribosome maturation process. Complements an ObgE(CgtA) function in E.coli ribosome maturation. Plays a role of GTPase in vitro. When missing, disorganization of the nucleolar architecture is observed., similarity:Belongs to the GTP1/OBG family.,subcellular location:Found in the dense fibrillar compartment region of the nucleolus. At the onset of mitosis moves to the chromosome surface and remains there until anaphase. Gradually re-assembles into the nucleolus at late anaphase to telophase.,



Background

Small G proteins, such as GTPBP10, act as molecular switches that play crucial roles in the regulation of fundamental cellular processes such as protein synthesis, nuclear transport, membrane trafficking, and signal transduction (Hirano et al., 2006 [PubMed 17054726]).[supplied by OMIM, Mar 2008],

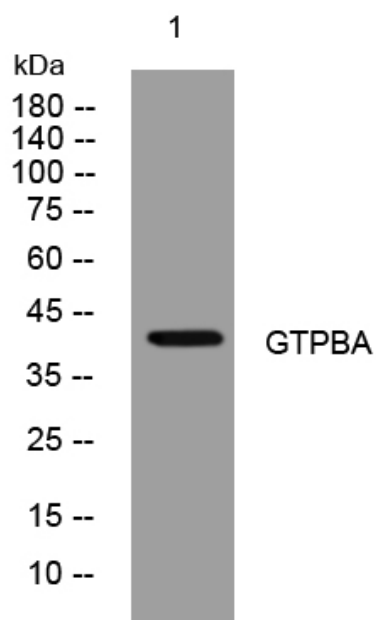
matters needing attention

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



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night