

GTPBP10 Rabbit pAb

Catalog # AP97131

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	A4D1E9
Other Accession	A4D1E9
Reactivity	Rat, Mouse
Predicted	Pig, Human, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42933
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GTPBP10
Epitope Specificity	151-250/387
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the GTP1/OBG family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GTP-binding protein 10 (GTPBP10) belongs to the GTP1/OBG family. 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; GTPBA_HUMAN; GTP-binding protein 10; Protein obg homolog 2; ObgH2.

Additional Information

Gene ID	85865
Other Names	ObgH2; UG0751c10; 4930545J22Rik; GTPBA_HUMAN; GTPBP10; Protein obg homolog 2 (ObgH2); GTPBA_MOUSE; GTP binding protein 10; GTP-binding protein 10 (putative)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GTPBP10
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Synonyms	OBGH2
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.
Cellular Location	Nucleus, nucleolus. Chromosome. Note=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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.