

Anti-GTPBP5 Antibody

Catalog # AP53851

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9H4K7
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43955

Additional Information

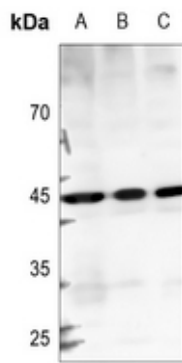
Gene ID	26164
Other Names	GTPBP5; OBGH1; Mitochondrial ribosome-associated GTPase 2; GTP-binding protein 5; Protein obg homolog 1; ObgH1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GTPBP5. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

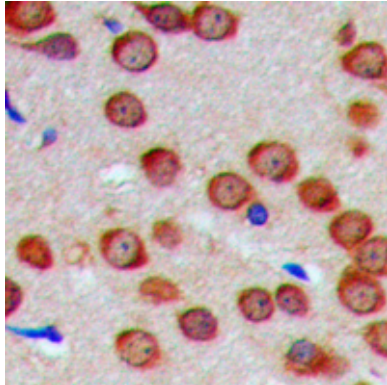
Name	MTG2
Synonyms	GTPBP5, OBGH1
Function	Plays a role in the regulation of the mitochondrial ribosome assembly and of translational activity. Displays GTPase activity. Involved in the ribosome maturation process.
Cellular Location	Mitochondrion. Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

Images

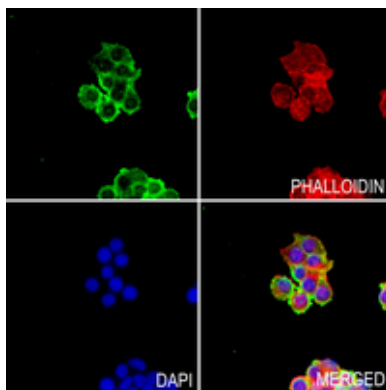
Western blot analysis of GTPBP5 expression in HEK293T



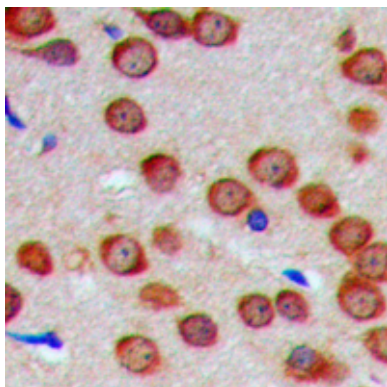
(A), H1688 (B), H446 (C) whole cell lysates. (Predicted band size: 43 kD; Observed band size: 45 kD)



Immunohistochemical analysis of GTPBP5 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of GTPBP5 staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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