

Anti-Grp75 Rabbit Monoclonal Antibody
Catalog # ABO15189**Specification****Anti-Grp75 Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	P38646
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Grp75 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-Grp75 Rabbit Monoclonal Antibody - Additional Information

Gene ID 3313

Other Names

Stress-70 protein, mitochondrial, 75 kDa glucose-regulated protein, GRP-75, Heat shock 70 kDa protein 9, Heat shock protein family A member 9, Mortalin, MOT, Peptide-binding protein 74, PBP74, HSPA9 ([HGNC:5244](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=5244)), GRP75, HSPA9B, mt-HSP70

Application Details

WB 1:500-1:2000

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Grp75

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Grp75 Rabbit Monoclonal Antibody - Protein Information

Name HSPA9 ([HGNC:5244](#))

Synonyms GRP75, HSPA9B, mt-HSP70

Function

Chaperone protein which plays an important role in mitochondrial iron-sulfur cluster (ISC) biogenesis. Interacts with and stabilizes ISC cluster assembly proteins FXN, NFU1, NFS1 and ISCU (PubMed: [26702583](http://www.uniprot.org/citations/26702583)). Regulates erythropoiesis via stabilization of ISC assembly (PubMed: [21123823](http://www.uniprot.org/citations/21123823), PubMed: [26702583](http://www.uniprot.org/citations/26702583)). May play a role in cell cycle regulation via its interaction with and promotion of degradation of TP53 (PubMed: [24625977](http://www.uniprot.org/citations/24625977), PubMed: [26634371](http://www.uniprot.org/citations/26634371)). May play a role in the control of cell proliferation and cellular aging (By similarity). Molecular adapter that couples ITPR1 and VDAC1 and directly regulates calcium uptake into mitochondria (PubMed: [17178908](http://www.uniprot.org/citations/17178908)).

Cellular Location

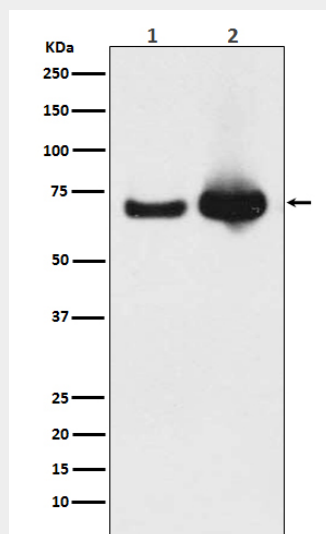
Mitochondrion. Nucleus, nucleolus. Cytoplasm. Mitochondrion matrix
{ECO:0000250|UniProtKB:P48721}

Anti-Grp75 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Grp75 Rabbit Monoclonal Antibody - Images



Western blot analysis of Grp75 expression in (1) HeLa cell lysate; (2) Mouse liver lysate.