

Gapdh Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11694**Specification**

Gapdh Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P16858
Other Accession	NM_008084 , NP_032110
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Pig, Horse, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 36kDa KDa

Gapdh Antibody - C-terminal region - Additional Information**Gene ID** 14433**Alias Symbol** Gapd, MGC102544, MGC102546, MGC103190, MGC103191, MGC105239**Other Names**

Glyceraldehyde-3-phosphate dehydrogenase, GAPDH, 1.2.1.12, Peptidyl-cysteine S-nitrosylase GAPDH, 2.6.99.-, Gapdh, Gapd

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Gapdh antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Gapdh Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Gapdh Antibody - C-terminal region - Protein Information**Name** Gapdh**Synonyms** Gapd**Function**

Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively (PubMed:19903941). Glyceraldehyde-3- phosphate dehydrogenase is a key enzyme in glycolysis that catalyzes the first

step of the pathway by converting D-glyceraldehyde 3- phosphate (G3P) into 3-phospho-D-glyceroyl phosphate (PubMed:19903941). Modulates the organization and assembly of the cytoskeleton (By similarity). Facilitates the CHP1-dependent microtubule and membrane associations through its ability to stimulate the binding of CHP1 to microtubules (By similarity). Component of the GAIT (gamma interferon- activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes (PubMed:23071094). Upon interferon-gamma treatment assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation (PubMed:23071094). Also plays a role in innate immunity by promoting TNF-induced NF-kappa-B activation and type I interferon production, via interaction with TRAF2 and TRAF3, respectively (By similarity). Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC (By similarity).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:P04797}. Cytoplasm, cytoskeleton

{ECO:0000250|UniProtKB:P04797}. Nucleus {ECO:0000250|UniProtKB:P04797}

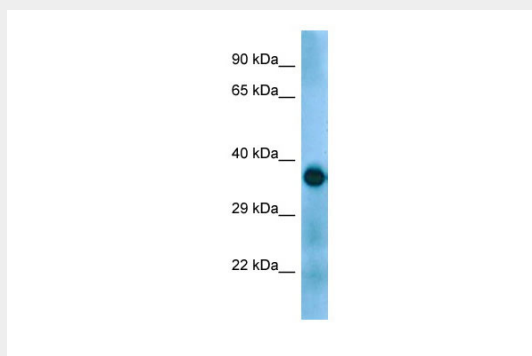
Note=Translocates to the nucleus following S-nitrosylation and interaction with SIAH1, which contains a nuclear localization signal Colocalizes with CHP1 to small punctate structures along the microtubules tracks. {ECO:0000250|UniProtKB:P04797}

Gapdh Antibody - C-terminal region - 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](#)

Gapdh Antibody - C-terminal region - Images



Host: Rabbit

Target Name: Gapdh

Sample Tissue: Mouse Muscle lysates
Antibody Dilution: 1.0µg/ml