10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GAPDH Antibody

Rabbit polyclonal antibody to GAPDH
Catalog # AP59470

Product Information

Application	WB
Primary Accession	Q5XJ10
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35784

Additional Information

Gene ID	317743
Other Names	GAPD; Glyceraldehyde-3-phosphate dehydrogenase; GAPDH; Peptidyl-cysteine S-nitrosylase GAPDH
Target/Specificity	Recognizes endogenous levels of GAPDH protein.
Dilution	WB~~1/2000 - 1/5000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

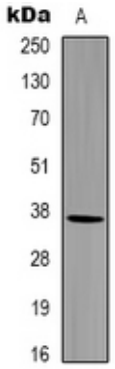
Protein Information

Name	gapdh {ECO:0000312|ZFIN:ZDB-GENE-030115-1}
Function	Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. 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 (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}

Background

Recombinant protein corresponding to zebrafish GAPDH.

Images



Western blot analysis of GAPDH expression in zebrafish skeletal muscle (A) whole cell lysates.