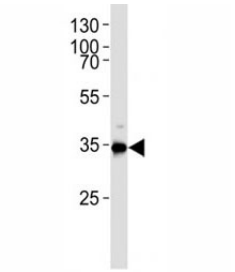
Zebrafish Gapdh Antibody (F52573)

Catalog No.	Formulation	Size
F52573-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52573-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q5XJ10
Applications	Western Blot : 1:1000
Limitations	This Zebrafish Gapdh antibody is available for research use only.



Western blot analysis of lysate from HUVEC cell line using Gapdh antibody. Ab was diluted at 1:1000. Predicted molecular weight ~36kDa.

Description

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. Modulates the organization and assembly of the cytoskeleton. Also 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 (By similarity).

Application Notes

Titration of the Zebrafish Gapdh antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This Gapdh antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 273-298 amino acids from the C-terminal region of zebrafish Gapdh.

Storage

Aliquot the Zebrafish Gapdh antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.