

GAPDH Polyclonal Antibody

Catalog Number: E-AB-40516

1 Publications



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human, Mouse, Rat, Zebrafish
Immunogen	Recombinant human GAPDH protein expressed by E.coli
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH 7.4

Applications Recommended Dilution

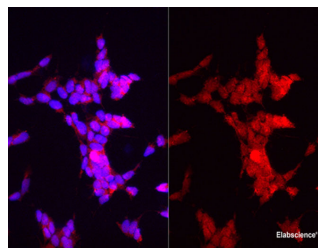
WB	1:1000-2000
IF	1:100-400

Data



Western blot of Zebrafish whole lysates with anti-GAPDH at dilution of 1:2000.

Observed Mw: 36kDa
Calculated Mw: 40.2kDa



Immunofluorescence analysis of 293 cells, using anti-GAPDH Polyclonal Antibody at 1:400 dilution.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. 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). 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.

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