GAPDH Antibody

Catalog No: #21612

Package Size: #21612-1 50ul #21612-2 100ul #21612-4 25ul

Overview

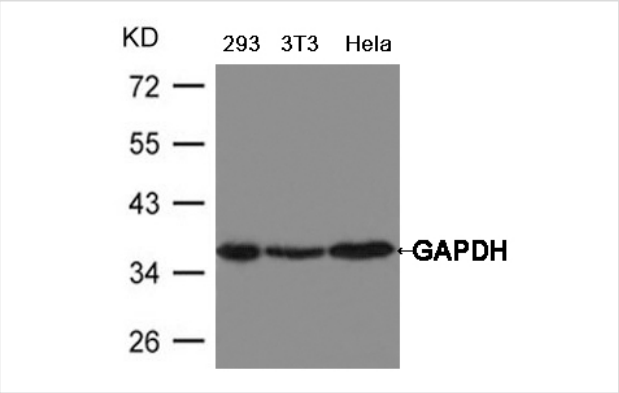
Product Name	GAPDH Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	GAPDH
Alternative Names	G3PD; GAPD; MGC88685

Application Details

Predicted MW: 37kd

Western blotting: 1:2000~1:3000

Images



Western blot analysis of extract from Hela, 293 and 3T3 cells using GAPDH Antibody #21612

Descriptions

Immunogen	Peptide sequence around aa.252~256(P-A-K-Y-D) derived from Human GAPDH.
Specificity	The antibody detects endogenous level of total GAPDH protein.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: P04406NCBI Protein: NP_002037.2

Related Information

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.

Ercolani L., Florence B., Denaro M., Alexander M. J. Biol. Chem. 263:15335-15341(1988)

Tisdale E.J.J. Biol. Chem. 277:3334-3341(2002)