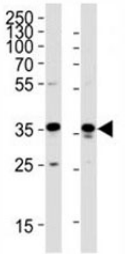
GAPDH Antibody (F50850)

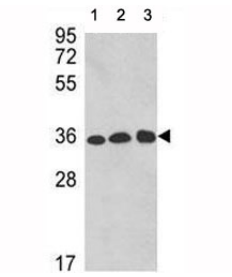
Catalog No.	Formulation	Size
F50850-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50850-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

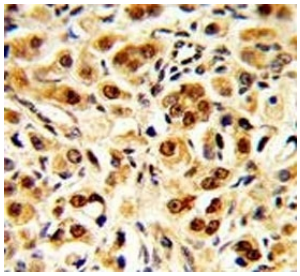
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Chicken, Mouse, Pig, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P04406
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50 Immunofluorescence : 1:10-1:50
Limitations	This GAPDH antibody is available for research use only.



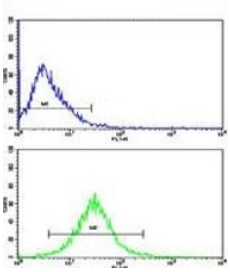
Western blot analysis of lysate from HeLa, HUVEC cell line (left to right) using GAPDH antibody; Ab was diluted at 1:1000 for each lane. Predicted molecular weight ~36kDa.



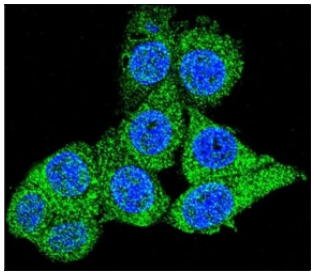
Western blot analysis of GAPDH antibody and 1) A2058, 2) A375, and 3) CEM lysate. Predicted molecular weight ~36kDa.



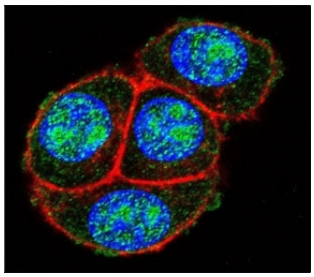
IHC analysis of FFPE human prostate carcinoma with GAPDH antibody



Flow cytometric analysis of HepG2 cells using GAPDH antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Confocal immunofluorescent analysis of GAPDH antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).



Confocal immunofluorescent analysis of GAPDH antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).

Description

GAPDH catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains.

Application Notes

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

Immunogen

A portion of amino acids 233-259 from the human protein was used as the immunogen for this GAPDH antibody.

Storage

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