GAPDH antibody

Product Information

Catalog No.:	FNab03342
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months (Avoid repeated 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. Modulates the organization and assembly of the cytoskeleton. Facilitates the CHP1-dependent microtubule and membrane associations through its ability to stimulate the binding of CHP1 to microtubules(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. Component of the GAIT(gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma treatment assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3'-UTR of diverse inflammatory mRNAs(such as ceruplasmin) and suppresses their translation.

Immunogen information

Immunogen:	glyceraldehyde-3-phosphate dehydrogenase
Synonyms:	GAPD,G3PD,GAPDH, OK/SW cl.12
Observed MW:	36 kDa
Uniprot ID :	P04406

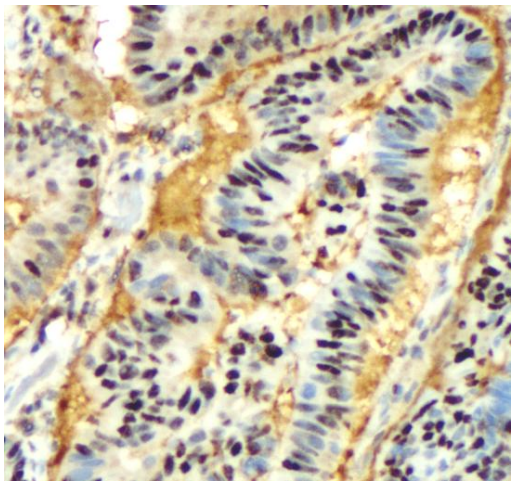
Application

Reactivity: Human, Mouse, Rat

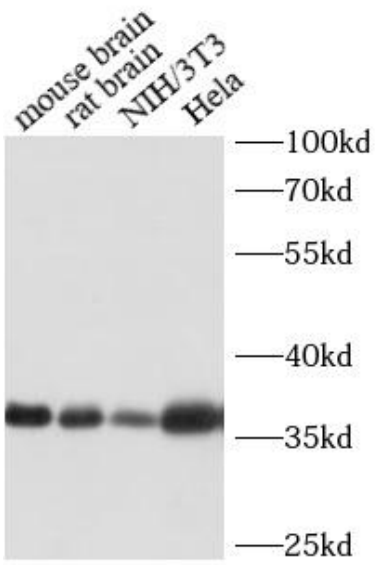
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:1000-1:5000; IHC: 1:100-1:500

Image:



Immunohistochemistry of paraffin-embedded human colon cancer using FNab03342(GAPDH antibody) at dilution of 1:100



Various lysates were subjected to SDS PAGE followed by western blot with FNab03342(GAPDH antibody) at dilution of 1:2000