

GAPDH (8A3) Mouse mAb (PBS Only)

db6497-PBS

Package : 可询价

Product Name : GAPDH (8A3) Mouse mAb (PBS Only)**Cat.No.:** db6497-PBS**Synonyms** : G3PD; GAPD; HEL-S-162eP**Application** : WB, ICC/IF, IHC-P**Reactivity** : Human, Mouse, Rat, Monkey, Dog, Chicken, Hamster, Rabbit, Pig, Sheep, Insect, Yeast**Host species** : Mouse**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. 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

Synthetic Peptide of GAPDH

Gene ID

2597

Swiss Prot

P04406

Synonyms

G3PD; GAPD; HEL-S-162eP

Reactivity

Human, Mouse, Rat, Monkey, Dog, Chicken, Hamster, Rabbit, Pig, Sheep, Insect, Yeast

Application

WB, ICC/IF, IHC-P

Calculated MW

36 kDa

Observed MW

36 kDa

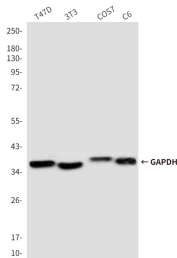
Host species

Mouse

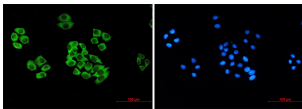
Clonality

Monoclonal

Clonality No.	8A3-6C3-8D6
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of GAPDH in T47D, 3T3, COS7 and C6 lysates using GAPDH antibody.



Immunofluorescence analysis of GAPDH (8A3) in Human tonsil tissue using GAPDH (8A3) antibody.