ABflo® 680 GAPDH Mouse mAb

Catalog NO.: AC067NFB

Basic Information

Observed MW
36 kDa

Calculated MW
36kDa

Category
Loading control Antibodies

Applications
WB

Cross-Reactivity
Human, Mouse, Rat

Conjugation
ABflo® 680. Ex:679nm. Em:700nm.

Clone number
AMC0062R

Background

This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene 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 encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein contains a peptide that has antimicrobial activity against E. coli, P. aeruginosa, and C. albicans. Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Many pseudogenes similar to this locus are present in the human genome. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB (Fluorescence)	1:2

Immunogen Information

Gene ID
2597

Swiss Prot
P04406

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
G3PD; GAPD; HEL-S-162eP;ABflo® 680 GAPDH

Contact

Product Information

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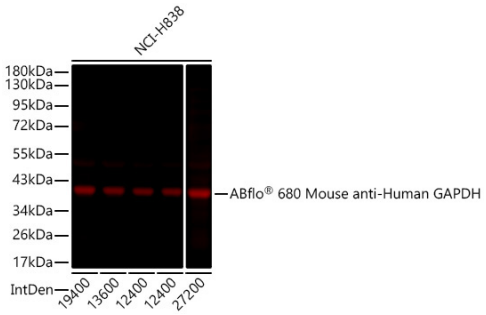
Source
Mouse

Isotype
IgG1,Kappa

Purification
Affinity purification

Storage
Store at 4°C. Avoid freeze.
Buffer: PBS,pH7.3.

Validation Data



Western blot analysis of lysates from NCI-H838 cells using ABflo® 680 GAPDH Mouse mAb (AC067NFB) at 1:10000 dilution incubated overnight at 4°C.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

For research use only. Not for therapeutic or diagnostic purposes.

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