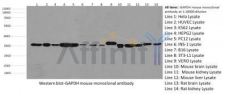
GAPDH Ab

Cat.#: T0004	Concn.: 1mg/ml	Mol.Wt.: 34KD
Size: 1ml,200ul,100ul,50ul	Source: Mouse	Clonality: Monoclonal

Application:	WB: 1:3000-1:10000, IHC: 1:200, IF/ICC: 1:200
Reactivity:	Human,Mouse,Rat,Pig,Zebrafish,Bovine,Sheep,Rabbit,Goat,Guinea pig,Dog,Monkey,Hamster,Chicken,Plants,Rice,Fish
Purification:	Affinity-chromatography.
Specificity:	GAPDH Mouse Monoclonal Ab detects endogenous levels of total GAPDH protein.
Immunogen:	Full-length GAPDH protein of human.
Uniprot:	P04406
Description:	Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. GAPDH is constitutively abundant expressed in almost cell types at high levels, therefore antibodies against GAPDH are useful as loading controls for Western Blotting. Some pathology factors, such as hypoxia and diabetes, increased or decreased GAPDH expression in certain cell types.
Subcellular Location:	Cytoplasm > cytosol. Nucleus. Cytoplasm > perinuclear region. Membrane. Translocates to the nucleus following S-nitrosylation and interaction with SIAH1, which contains a nuclear localization signal (By similarity). Postnuclear and Perinuclear regions.
Similarity:	The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.Belongs to the glyceraldehyde-3-phosphate dehydrogenase family.
Storage Condition and Buffer:	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of various lysates, using GAPDH Mouse Monoclonal Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.