

Anti-GAPDH-Peroxidase (HRP) Conjugated

PRODUCT NAME: Anti-GAPDH-Peroxidase (HRP) Conjugated

CATALOG NUMBER: U33-841A-S

LOT NUMBER: U33022

ISOTYPE: Mouse IgG1

Clone NO: 1B20

SOURCE: Mouse Ascites

PURIFICATION: Protein A purified

QUANTITY: 100 μ l

DESCRIPTION: Monoclonal antibody is produced by immunizing mouse with synthetic peptide [CRLEKPAKYDDIKK], coupled to KLH.

REACTIVITY: human, mouse, African green monkey

APPLICATIONS: Western Blot

BUFFER: 10mM sodium phosphate, 150mM sodium chloride, pH 7.4 with 50% glycerol

PROTEIN CONCENTRATION: approximately 1 mg/ml

RECOMMENDED ANTIBODY DILUTION: Western blot: 1:4000

STORAGE/STABILITY: Antibody-HRP is recommended being stored at -20°C.

Background:

The enzyme glyceraldehydes-3-phosphate dehydrogenase is a tetramer of identical chains that catalyzes the reversible oxidative phosphorylation of glyceraldehydes-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide. This is an important energy-yielding step in carbohydrate metabolism. GAPDH is found in almost all species with low rate of evolutionary changes.