

Anti-GAPDH Data Sheet

(Glyceraldehyde 3-Phosphate Dehydrogenase)

Catalog No. | Description

L001 | Anti-GAPDH (GA1R) Loading Control Monoclonal Antibody

Clonality | Host Species | Isotype

GA1R | Mouse | IgG1

Immunogen

Recombinant GAPDH.

Specificity

Recognizes native and denatured forms of GAPDH (~37kDa).

Cross Reactivity

GAPDH from BL-21 bacteria, Sf9 insect, *Saccharomyces cerevisiae* (yeast), human, mouse, rat, rabbit, chicken, and hamster. GAPDH from other species may also be detectable.

Purification

Protein A affinity chromatography from mouse ascites fluid.

Application

Dot, ELISA, IS, WB.

Form

Liquid: 1mg/mL in 10mM PBS, pH 7.2, with 0.05% NaN₃.

Lyophilized: 1mg/mL lyophilized in 10mM PBS, pH 7.2, with 1% BSA and 0.05% NaN₃.

Working Condition

WB (with ECL): 1:1000-100,000 dilution (incubate for 1 hour at room temperature).

For best results with other assays (e.g.: Dot, ELISA, IS, etc), please determine optimal working dilution by titration test.

Storage

Liquid: Store at -20°C for 2 years or more. Centrifuge after first thaw to maximize product recovery. Aliquot to avoid repeated freeze-thaw cycles. Store aliquots at 4°C for several days to weeks.

Lyophilized: Store at -20°C for 3 years or more. Reconstitute with distilled water to desired concentration before use. Aliquot to avoid repeated freeze-thaw cycles. Store aliquots at 4°C for several days to weeks.

Images

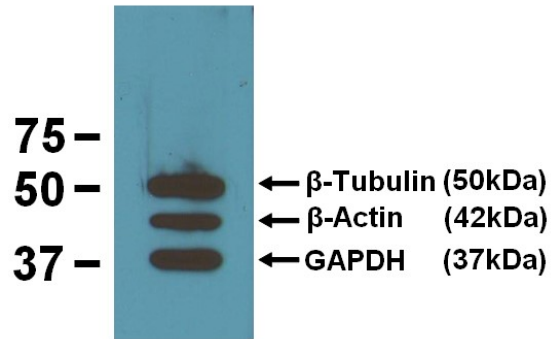


Fig. 01 EBI's three loading control mAbs reacting against 10 μ g/lane of mouse brain tissue lysates. 50kDa band is Anti- β -Tubulin (BT7R) at 1:2000 dilution (0.5 μ g/mL); 42kDa band is Anti- β -Actin (BA3R) at 1:1000 dilution (1 μ g/mL); 37kDa band is Anti-GAPDH (GA1R) at 1:5000 dilution (0.2 μ g/mL).

For *in vitro* research use only



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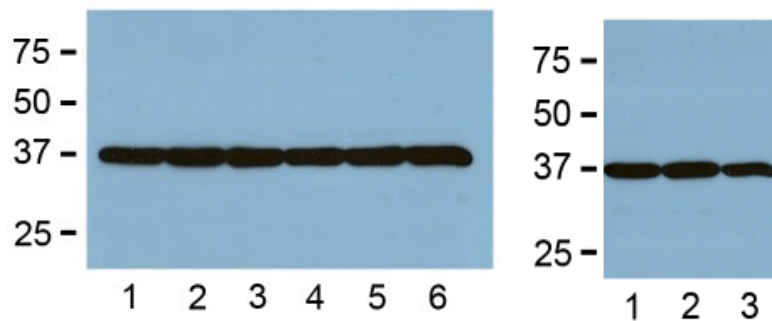


Fig. 02 LEFT: 1:2000 (0.5 μ g/mL) Ab dilution used in WB of 5 μ g/lane tissue lysates from human (1), mouse (2), rat (3), rabbit (4), chicken (5), and hamster (6). RIGHT: WB from BL-21 bacteria (1), Sf9 insect (2), and *Saccharomyces cerevisiae* (3).