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## 10-6507: Mouse Monoclonal Antibody to GAPDH (Clone: 1A10A10)(Discontinued)

Clonality: Monoclonal
Clone Name: 1A10A10
Application: WB,IF,IHC-P
Reactivity: Human,Mouse,Rat

Gene : GAPDH
Gene ID : 2597
Uniprot ID : P04406
Format : Purified

Alternative Name: Glyceraldehyde-3-phosphate dehydrogenase, GAPDH, Peptidyl-cysteine S-nitrosylase GAPDH, 2699-,

GAPDH, GAPD

**Isotype:** Mouse IgG1

## **Description**

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 enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome.

## **Product Info**

Amount :  $80 \mu l / 400 \mu l$ 

**Purification:** Protein G Chromatography

**Content:** Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

**Storage condition :**Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots

to prevent freeze-thaw cycles.

## **Application Note**

IHC-P~1:25|| IF~1:25|| WB~ 1:2000~10000

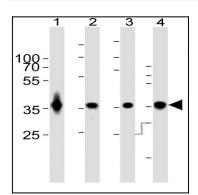


Figure 1: All lanes : Anti-GAPDH Antibody (10-6507) at 1:1000 dilution with Lane 1: A431 whole cell lysates, Lane 2: C6 whole cell lysates, Lane 3: Hela whole cell lysates, Lane 4: HUVEC whole cell lysates/proteins at 20  $1\frac{1}{4}$ g per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa.



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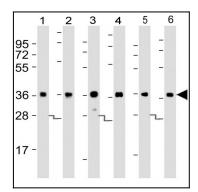


Figure 2: All lanes : Anti-GAPDH Antibody (10-6507) at 1:8000 dilution with Lane 1: Hela whole cell lysates, Lane 2: A549 whole cell lysates, Lane 3: COS-7 whole cell lysates, Lane 4: mouse brain lysates, Lane 5: C6 whole cell lysates, Lane 6: NIH/3T3 whole cell lysates/proteins at 20  $1\frac{1}{4}$ g per lane. Secondary Goat Anti-mouse IgG (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa.

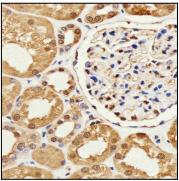


Figure 3: Immunohistochemical analysis of paraffin-embedded h kidney section using GAPDH Antibody (10-6507). GAPDH Antibody was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

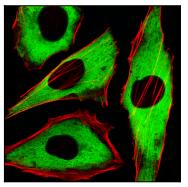


Figure 4: Fluorescent image of Hela cells stained with XAF1 GAPDH Antibody (10-6507). GAPDH Antibody was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

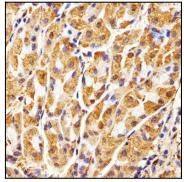


Figure 5: Immunohistochemical analysis of paraffin-embedded h stomach section using GAPDH Antibody (10-6507). GAPDH Antibody was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



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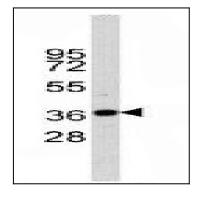


Figure 6 : Western blot analysis of anti-GAPDH Monoclonal Antibody (10-6507) in CEM cell line lysates (35 $\hat{1}\frac{1}{4}$ g/lane). GAPDH was detected using the purified Mab.