

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1A10A10
<b>Application :</b>	WB,IF,IHC-P
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	GAPDH
<b>Gene ID :</b>	2597
<b>Uniprot ID :</b>	P04406
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Glyceraldehyde-3-phosphate dehydrogenase, GAPDH, Peptidyl-cysteine S-nitrosylase GAPDH, 2699-, GAPDH, GAPD
<b>Isotype :</b>	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

<b>Amount :</b>	80 µl / 400 µl
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Storage condition :</b>	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

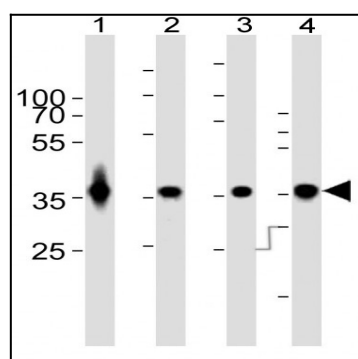


Figure 1: All lanes : Anti-GAPDH Antibody (10-6507) at 1:1000 dilution with Lane 1: A431 whole cell lysates, Lane 2: C6 whole cell lysates, Lane 3: Hela whole cell lysates, Lane 4: HUVEC whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000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

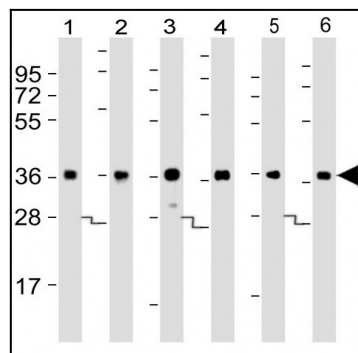


Figure 2: All lanes : Anti-GAPDH Antibody (10-6507) at 1:8000 dilution with Lane 1: Hela whole cell lysates, Lane 2: A549 whole cell lysates, Lane 3: COS-7 whole cell lysates, Lane 4: mouse brain lysates, Lane 5: C6 whole cell lysates, Lane 6: NIH/3T3 whole cell lysates/proteins at 20  $\mu$ g per lane.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

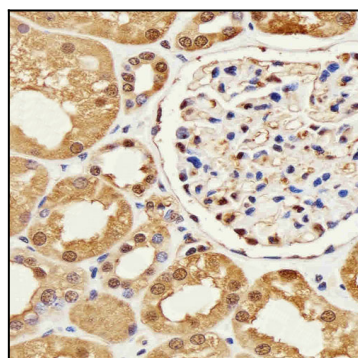


Figure 3: Immunohistochemical analysis of paraffin-embedded h kidney section using GAPDH Antibody (10-6507). GAPDH Antibody was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

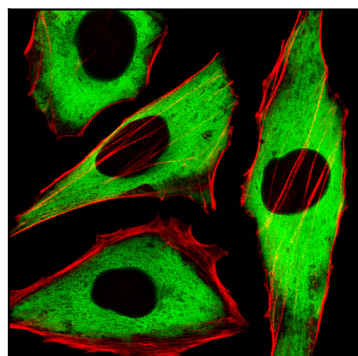


Figure 4: Fluorescent image of Hela cells stained with XAF1 GAPDH Antibody (10-6507). GAPDH Antibody was diluted at 1:25 dilution. An Alexa Fluor® 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555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

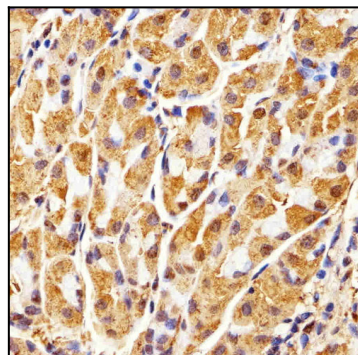


Figure 5: Immunohistochemical analysis of paraffin-embedded h stomach section using GAPDH Antibody (10-6507). GAPDH Antibody was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

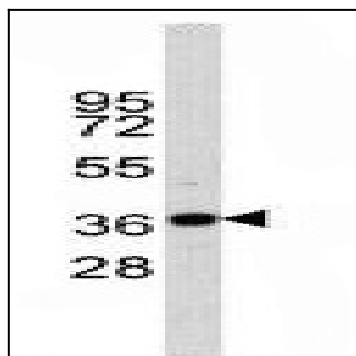


Figure 6 : Western blot analysis of anti-GAPDH Monoclonal Antibody (10-6507) in CEM cell line lysates (35µg/lane). GAPDH was detected using the purified Mab.