

Catalogue No.

AB0049-200
AB0049-500

Qty:

400 µg
1 mg

Anti-GAPDH

Source: Goat

General description: Goat polyclonal to GAPDH (glyceraldehyde 3-phosphate dehydrogenase). GAPDH 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.

Alternative names: glyceraldehyde 3-phosphate dehydrogenase, glyceraldehyde-3-phosphate dehydrogenase, G3PD, GAPD, HGNC:4141, GAPDH antibody.

Form: Polyclonal antibody supplied as a 200 or 500 µl (2 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide derived from within residues 240 aa to the C-terminus of human GAPDH produced in E. coli.

Specificity: Detects a band of 37 kDa by Western blot in the following human (293A, HMEC-1, U-118, HaCat), rat (TR-iBRB), mouse (AtT-20, Hepa), canine (D17) and monkey (COS-7) whole cell lysates.

Reactivity: Reacts with Human, Rat, Mouse, Monkey, Zebrafish and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	+++	ND
Rat	+++	+++	+++	+++	ND
Mouse	+++	+++	+++	+++	ND
Zebrafish	+++	ND	ND	ND	ND
Canine	+++	+++	+++	+++	ND
Monkey	+++	+++	+++	+++	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

WB: 1:500-1:5,000

IF: 1:50-1:250

IHC (P): 1:200-1:1,000

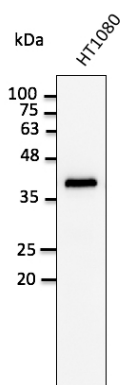
IHC (F): 1:200-1:1,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

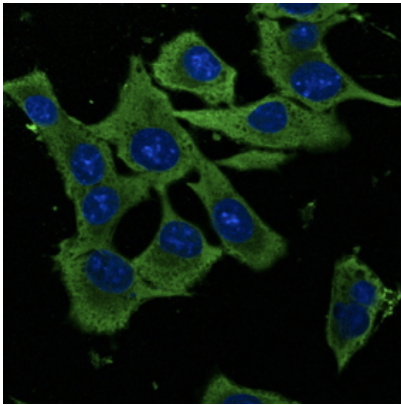
Special instructions: The antibody solution should be gently mixed before use. Avoid freeze/thaw cycles..

References:

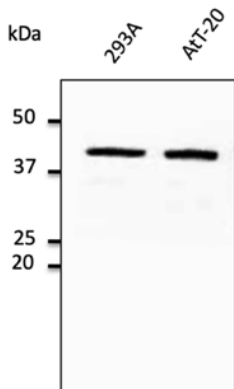
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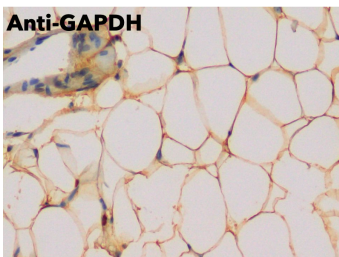
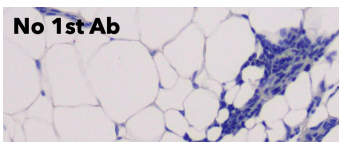
Anti-GAPDH Ab at 1/2,500 dilution; lysates at 50 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



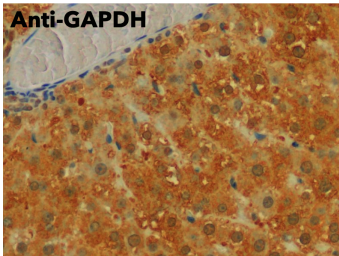
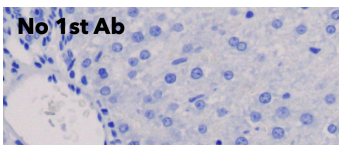
Immunofluorescence – anti-GAPDH Ab in Hepa1-6 cells at 1/50 dilution; cells were fixed with methanol;



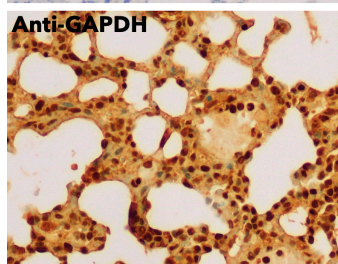
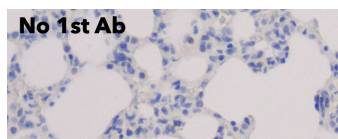
Anti-GAPDH Ab at 1/2,500 dilution; lysates at 50 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



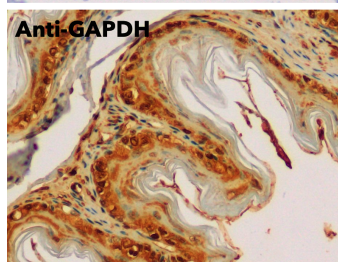
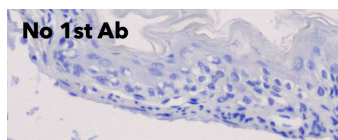
IHC of mouse adipose tissue using GAPDH antibody and FFPE tissue after heat-induced antigen retrieval. Anti-GAPDH Ab at 1:750/DAB detection;



IHC of mouse liver using GAPDH antibody and FFPE tissue after heat-induced antigen retrieval. Anti-GAPDH Ab at 1:750/DAB detection;



IHC of mouse lung using GAPDH antibody and FFPE tissue after heat-induced antigen retrieval. Anti-GAPDH Ab at 1:750/DAB detection;



IHC of mouse stomach using GAPDH antibody and FFPE tissue after heat-induced antigen retrieval. Anti-GAPDH Ab at 1:750/DAB detection;

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SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.