SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0067-200	400 µg

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 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 and Canine proteins

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

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

Usage:

WB: 1:500-1:10,000

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..

References:

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5. Korski KI,MSc Thesis, Univ San Diego, USA, 2018
6. Choudhury SS, MSc Thesis, Univ San Diego, USA, 2018
7. Sacchi V, Wang BJ, Kubli D, et al. J Am Heart Assoc. 2017 Oct (Supplemental Information) PMID: 29018025
8. Khalafalla FG, Kayani W, Kassab A, et al. J Physiol. 2017 Oct PMID: 28980705
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10. Gonçalves A, Lin CM, Muthusamy A, et al. Invest Ophthalmol Vis Sci. 2016 May PMID: 27163772
11. Hyenne V, Apaydin A, Rodriguez D, et al. J Cell Biol. 2015 Oct PMID: 26459596
12. Helsby MA, Leader PM, Fenn JR. BMC Cell Biol. 2014 Feb PMID: 24528853
13. Grilo MLJ, MSc Thesis, University of Coimbra, Portugal, 2014
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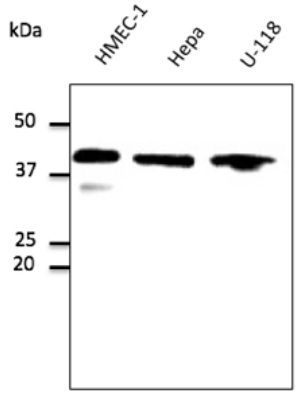
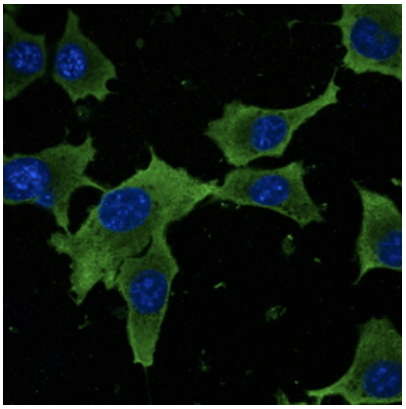


Anti-GADPH Ab at 1/1,000 dilution; lysates at 100 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



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

For research use only, not for diagnostic use

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.