SICGEN ANTIBODIES

# Product Data Sheet

**Catalogue No.**

**Qty:**

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 | +++ | +++ | ND |

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

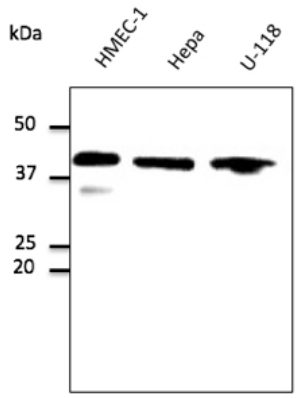
**Usage:**

WB: 1:500-1:10,000

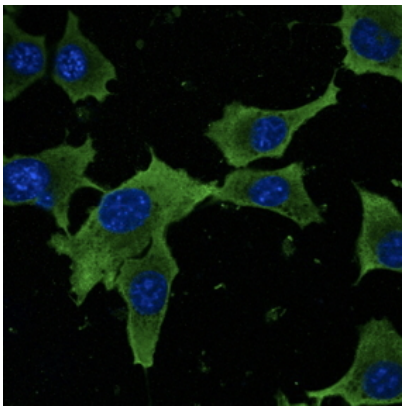
| | |
|---|---|
| IF: | 1:50-1:250 |
| IHC (P): | 1:200-1:1,000 |
| IHC (F): | 1:200-1:1,000 |

**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..




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.