

A Reliable Research Partner in Life Science and Medicine

# PGDH/PHGDH Monoclonal Antibody

catalog number: AN200135P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human

Immunogen Recombinant Human PGDH / PHGDH protein

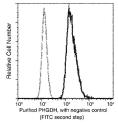
Host Mouse
Isotype IgG2b
Clone A983
Purification Protein A

Buffer 0.2 µm filtered solution in PBS

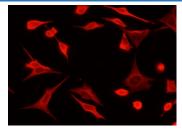
# Applications Recommended Dilution

ICC/IF 1:20-1:100 FCM 1:25-1:100

#### Data



Flow cytometric analysis of Human PHGDH expression on HeLa cells. The cells were stained with purified anti-Human PHGDH, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunofluorescence analysis of Human PHGDH in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human PHGDH Monoclonal Antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 594-conjugated Goat Anti-mouse IgG secondary antibody (red). Positive staining was localized to cytoplasm.

Rev. V1.2

### **Preparation & Storage**

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

## **Background**

This gene encodes the enzyme which is involved in the early steps of L-serine synthesis in animal cells. L-serine is required for D-serine and other amino acid synthesis. The enzyme requires NAD/NADH as a cofactor and forms homotetramers for activity. Mutations in this gene have been found in a family with congenital microcephaly, psychomotor retardation and other symptoms. Multiple alternatively spliced transcript variants have been found, however the full-length nature of most are not known.

# For Research Use Only

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