

## PGDH/PHGDH Monoclonal Antibody

**catalog number: AN200135P**

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

### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human PGDH / PHGDH protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG2b
<b>Clone</b>	11B11
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications Recommended Dilution

<b>ICC/IF</b>	1:20-1:100
<b>FCM</b>	1:25-1:100

### Preparation & Storage

<b>Storage</b>	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.
<b>Shipping</b>	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