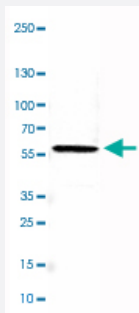


# PHGDH monoclonal antibody, clone CL0555

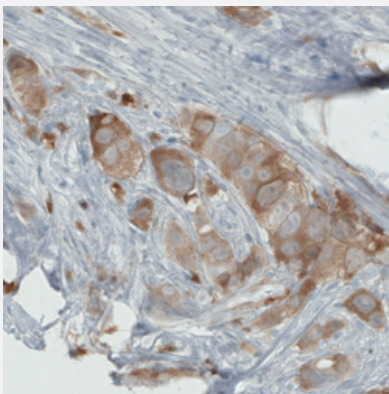
Catalog # MAB15639      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of RT-4 cell lysate with PHGDH monoclonal antibody, clone CL0555 (Cat # MAB15639).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with PHGDH monoclonal antibody, clone CL0555 (Cat # MAB15639) shows moderate cytoplasmic immunoreactivity in tumor cells.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant human PHGDH.
<b>Immunogen</b>	Recombinant protein corresponding to human PHGDH.
<b>Sequence</b>	LEEWPLCDFITVHTPLLPSTTGLLNDNTFAQCKKGVRVVNCARGGIVDEGALLRALQSGQCAGA ALDVFTTEPPRDRLVDHENVISCPHLGASTKEAQSRCGEEIAVQFVDM
<b>Host</b>	Mouse
<b>Reactivity</b>	Human

Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of RT-4 cell lysate with PHGDH monoclonal antibody, clone CL0555 (Cat # MAB15639).

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## Gene Info — PHGDH

Entrez GeneID	<a href="#">26227</a>
Protein Accession#	<a href="#">O43175</a>
Gene Name	PHGDH
Gene Alias	3-PGDH, 3PGDH, MGC3017, PDG, PGAD, PGD, PGDH, SERA
Gene Description	phosphoglycerate dehydrogenase
Omim ID	<a href="#">601815</a> <a href="#">606879</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	3-Phosphoglycerate dehydrogenase (PHGDH; EC 1.1.1.95) catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD <sup>+</sup> /NADH as a cofactor.[supplied by OMIM]

**Other Designations**

3-phosphoglycerate dehydrogenase|OTTHUMP00000013926

**Pathway**

- [Glycine](#)
- [Metabolic pathways](#)

**Disease**

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Schizophrenia](#)