

Mouse anti-Human PHGDH Monoclonal Antibody | anti-PHGDH antibody

PHGDH (D-3-phosphoglycerate Dehydrogenase, 3-PGDH, PGDH3, MGC3017, SERA) (AP)

CATALOG # AAA24314	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Immunoprecipitation, Western Blot
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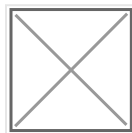
PRODUCT SYNONYMS

PHGDH; Monoclonal Antibody; PHGDH (D-3-phosphoglycerate Dehydrogenase; 3-PGDH; PGDH3; MGC3017; SERA) (AP); anti-PHGDH antibody

PRODUCT SPECIFICATIONS

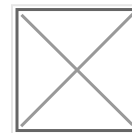
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4A3-1D6
Specificity	Recognizes human PHGDH.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Sequence Length	1968
Applicable Applications for anti-PHGDH antibody	ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IHC-P: 1-10ug/ml Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-533 from human PHGDH (AAH11262) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAFANLRKVLISDLPCCRKILQDGGQLQVVEKQNSKEELIAELQDCEGLIVRSATKVTADVINA AEKLQVVGRAGTGVDNVDLEAATRKGILVMNTPNGN
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to use.

IMAGES



WB (Western Blot)

Western Blot detection against Immunogen (84.74kD).



WB (Western Blot)

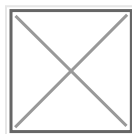
PHGDH monoclonal antibody. Western Blot analysis of PHGDH expression in human liver.

**IP (Immunoprecipitation)**

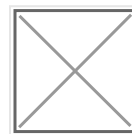
Immunoprecipitation of PHGDH transfected lysate using PHGDH monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PHGDH rabbit polyclonal antibody.

**IF (Immunofluorescence)**

Immunofluorescence of monoclonal antibody to PHGDH on HeLa cell. [antibody concentration 1-10ug/ml]

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to PHGDH on formalin-fixed paraffin-embedded human prostate. [antibody concentration 3ug/ml]

**IHC (Immunohistochemistry)**

Immunoperoxidase of monoclonal antibody to PHGDH on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 1-10ug/ml]

ADDITIONAL INFORMATION

Product Categories/Family for anti-PHGDH antibody	Antibodies ; Enzymes ; Dehydrogenase
References	1. Enhanced serine production by bone metastatic breast cancer cells stimulates osteoclastogenesis. Pollari S, Kakonen SM, Edgren H, Wolf M, Kohonen P, Sara H, Guise T, Nees M, Kallioniemi O. Breast Cancer Res Treat. 2010 Mar 30.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15030034
NCBI GeneID	26227
NCBI Official Full Name	Homo sapiens phosphoglycerate dehydrogenase, mRNA
NCBI Official Synonym Full Names	phosphoglycerate dehydrogenase
NCBI Official Symbol	PHGDH
NCBI Official Synonym Symbols	NLS; PDG; PGD; NLS1; PGAD; PGDH; SERA; 3PGDH; 3-PGDH; PHGDHD; HEL-S-113
NCBI Protein Information	D-3-phosphoglycerate dehydrogenase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/phgdh-antibody-clone-4a3-1d6-immunohistochemistry-immunoprecipitation-western-blot-elisa/24314>