

Datasheet for ABIN7455052
anti-PHGDH antibody (AA 1-50)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PHGDH
Binding Specificity:	AA 1-50
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-PHGDH Antibody, Affinity Purified
Immunogen:	Between AA 1 and 50
Isotype:	IgG
Predicted Reactivity:	Bovine,Pig,Orangutan,Chimpanzee
Purification:	Affinity Purified

Target Details

Target:	PHGDH
Alternative Name:	PHGDH (PHGDH Products)
Background:	Background: D-3-phosphoglycerate dehydrogenase (PHGDH) is an enzyme involved in the early

Target Details

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 symptom [taken from NCBI Entrez Gene (Gene ID: 26227)].

Gene ID: 26227

NCBI Accession: [NP_006614](#)

UniProt: [O43175](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D, Warburg Effect](#)

Application Details

Application Notes: IHC: 1:500 to 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
IP: 2 - 10 µg/mg lysate
WB: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Expiry Date: 12 months