

IHC*easy* PHGDH Ready-To-Use IHC Kit

Catalog Number: **KHC0839**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Mouse Monoclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

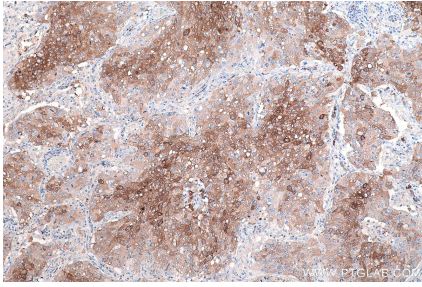
Background

PHGDH(D-3-phosphoglycerate dehydrogenase) is also named as 3-PGDH, PGDH3 and belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. It 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⁺/NADH as a cofactor. 3-PGDH deficiency is a rare recessive inborn error in the biosynthesis of the amino acid L-serine characterized clinically by congenital microcephaly, psychomotor retardation, and intractable seizures.

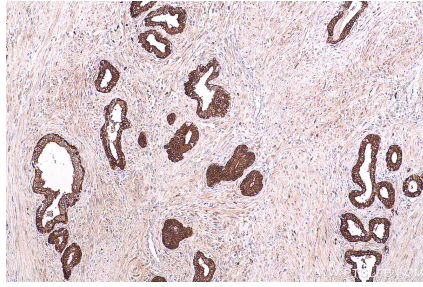
Synonyms

3 PGDH, 3PGDH, PDG, PGAD, PGD, PGDH, PGDH3, PHGDH, phosphoglycerate dehydrogenase, SERA

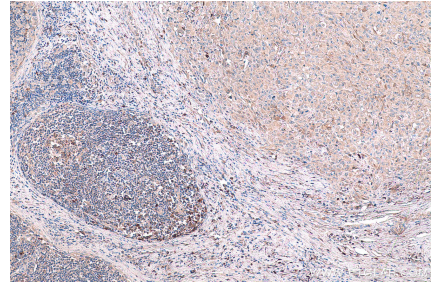
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0839 (PHGDH IHC Kit).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using KHC0839 (PHGDH IHC Kit).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using KHC0839 (PHGDH IHC Kit).