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Datasheet for ABIN7101565

anti-PHD1 antibody

1 Image

Overview

Quantity:	20 µL
Target:	PHD1 (EGLN2)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PHD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthesized peptide derived from human Prolyl hydroxylase PHD1 (EGLN2)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PHD1 (EGLN2)
Alternative Name:	EGLN2 (EGLN2 Products)
Background:	The hypoxia inducible factor (HIF) is a transcriptional complex that is involved in oxygen homeostasis. At normal oxygen levels, the alpha subunit of HIF is targeted for degradation by

Target Details

prolyl hydroxylation. This gene encodes an enzyme responsible for this post-translational modification. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream RAB4B (RAB4B, member RAS oncogene family) gene. [provided by RefSeq, Feb 2011],EIT6, HIF-PH1, HIFPH1, HPH-1, HPH-3, PHD1,Cancer,Cardiovascular,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Hypoxia,Invasion and Metastasis,EGLN2

Molecular Weight: 44 kDa

Gene ID: 112398

UniProt: [Q96KS0](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Cell RedoxHomeostasis](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

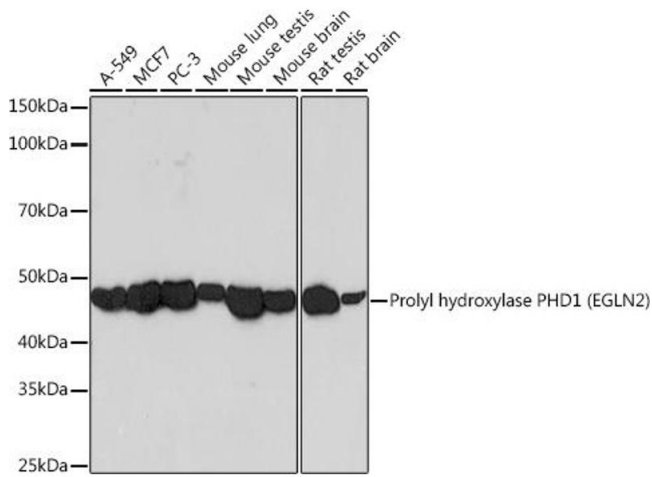
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Prolyl hydroxylase PHD1 (EGLN2) Rabbit mAb (ABIN1678674, ABIN7101565, ABIN7101566 and ABIN7101567) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3 min.