

Datasheet for ABIN5008736

anti-PHD1 antibody (AA 321-407) (AbBy Fluor® 680)



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Overview

Quantity:	100 µL
Target:	PHD1 (EGLN2)
Binding Specificity:	AA 321-407
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHD1 antibody is conjugated to AbBy Fluor® 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PHD1/prolyl hydroxylase
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep
Purification:	Purified by Protein A.

Target Details

Target:	PHD1 (EGLN2)
Alternative Name:	PHD1 (EGLN2 Products)

Target Details

Background:	Synonyms: Egl nine homolog 2, prolyl hydroxylase,EGLN 2, EGLN2, EIT 6, EIT6, H P4H 1, H PH1, HPH1, HPH 3, HPH3, P4H1, PHD 1, PHD1, EGL nine C.elegans homolog 2, EGLN2_HUMAN. Background: PHD1 catalyzes the posttranslational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins and hydroxylates HIF-1 alpha at Pro-402 and Pro-564, and HIF-2 alpha. It functions as a cellular oxygen sensor and, under normoxic conditions, targets HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitylation complex. It may play a role in cell growth regulation.
Gene ID:	112398
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Cell RedoxHomeostasis

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months