Product Datasheet

PHD1 Rabbit mAb

Catalog No: #52892

Package Size: #52892-1 50ul #52892-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

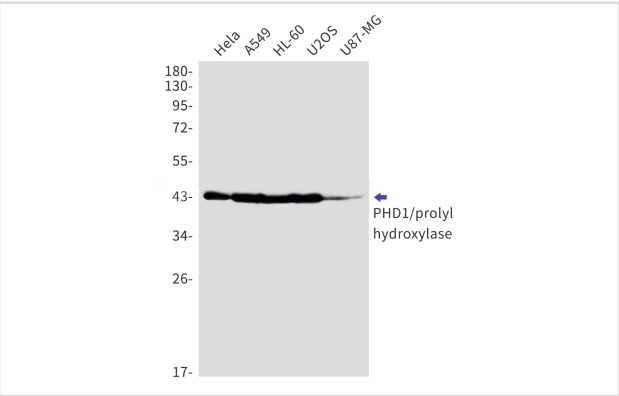
Description

Product Name	PHD1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-7G1
Isotype	IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthesized peptide derived from human PHD1/prolyl hydroxylase
Conjugates	Unconjugated
Modification	Unmodification
Other Names	Estrogen-induced tag 6; HPH-3;PHD1
Accession No.	Swiss-Prot:Q96KS0GeneID:
Uniprot	Q96KS0
Calculated MW	44kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/500-1/2000

Images



Western blot detection of PHD1/prolyl hydroxylase in Hela,A549,HL-60,U2OS,U87-MG cell lysates using PHD1/prolyl hydroxylase Rabbit mAb(1:1000 diluted).Observed band size:44kDa.

Background

Swiss-Prot Acc.Q96KS0.Cellular oxygen sensor that catalyzes, under normoxic conditions, the post-translational formation of 4-hydroxyproline in

hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates a specific proline found in each of the oxygen-dependent degradation (ODD) domains (N-terminal, NODD, and C-terminal, CODD) of HIF1A. Also hydroxylates HIF2A. Has a preference for the CODD site for both HIF1A and HIF2A. Hydroxylated HIFs are then targeted for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.

Note: This product is for in vitro research use only