

Rabbit anti-Human PHD2 Polyclonal Antibody | anti-PHD2 antibody

Rabbit anti-PHD2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210886	Rabbit	Human	Immunoprecipitation, Western Blot

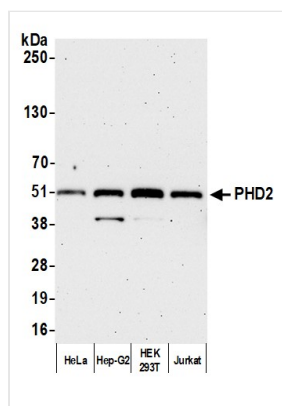
PRODUCT SYNONYMS

PHD2; Polyclonal Antibody; Rabbit anti-PHD2 Antibody; Affinity Purified; zinc finger MYND domain-containing protein 6; hypoxia-inducible factor prolyl hydroxylase 2; ZMYND6; HALAH; prolyl hydroxylase domain-containing protein 2; HPH-2; SM-20; SM20; HIF-prolyl hydroxylase 2; HIFPH2; egl nine-like protein 1; egl nine homolog 1; ECYT3; C1orf12; HIF-PH2; HPH2; Egl nine homolog 1; egl-9 family hypoxia inducible factor 1; anti-PHD2 antibody

PRODUCT SPECIFICATIONS

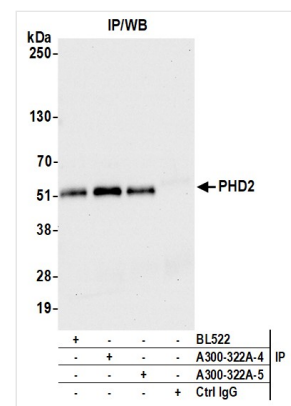
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PHD2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PHD2 by western blot. Samples: Whole cell lysate (10 ug) from HeLa, Hep-G2, and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PHD2 antibody AAA210886 lot 5 used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IP (Immunoprecipitation)

Detection of human PHD2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PHD2 antibody AAA210886 lot 5 used for IP at 6 ug per reaction. PHD2 was also immunoprecipitated by a previous lot of this antibody (AAA210886 lot 4) and another rabbit anti-PHD2 antibody (BL522). For blotting immunoprecipitated PHD2, AAA210886 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-PHD2 antibody	PHD2 is one of 4 PHD (PHD1-4) enzymes that function as oxygen sensors and are responsible for the post-translational modification of HIF-1alpha, a component of a transcriptional complex involved in oxygen homeostasis. During normoxic levels, PHDs catalyze the hydroxylation of prolyl residues on HIF-1alpha and target it for proteasomal degradation via the von Hippel-Lindau ubiquitination complex. The PHD isoforms appear to function in a non-redundant manner and may differ in their expression patterns and their catalytic selectivity.
Product Categories/Family for anti-PHD2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13489073
NCBI GeneID	54583
NCBI Accession #	NP_071334.1
NCBI GenBank Nucleotide #	NM_022051.2
UniProt Accession #	Q9GZT9; Q8N3M8; Q9BZS8; Q9BZT0
Molecular Weight	426
NCBI Official Full Name	egl nine homolog 1
NCBI Official Synonym Full Names	egl-9 family hypoxia-inducible factor 1
NCBI Official Symbol	EGLN1
NCBI Official Synonym Symbols	HPH2; PHD2; SM20; ECTY3; HPH-2; HIFPH2; ZMYND6; C1orf12; HIF-PH2
NCBI Protein Information	egl nine homolog 1; egl nine-like protein 1; HIF prolyl hydroxylase 2; HIF-prolyl hydroxylase 2; zinc finger MYND domain-containing protein 6; hypoxia-inducible factor prolyl hydroxylase 2; prolyl hydroxylase domain-containing protein 2
UniProt Protein Name	Egl nine homolog 1
UniProt Gene Name	EGLN1
UniProt Synonym Gene Names	HIF-PH2; HIF-prolyl hydroxylase 2; HPH-2; PHD2
UniProt Entry Name	EGLN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phd2-antibody-immunoprecipitation-western-blot-elisa/210886>