

[KO Validated] PHD2/EGLN1 polyclonal antibody

Catalog: BS75841

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The protein encoded by this gene catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. HIF is a transcriptional complex that plays a central role in mammalian oxygen homeostasis. This protein functions as a cellular oxygen sensor, and under normal oxygen concentration, modification by prolyl hydroxylation is a key regulatory event that targets HIF subunits for proteasomal destruction via the von Hippel-Lindau ubiquitylation complex. Mutations in this gene are associated with erythrocytosis familial type 3 (ECYT3).

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

50KDa

Swiss-Prot:

Q9GZT9

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

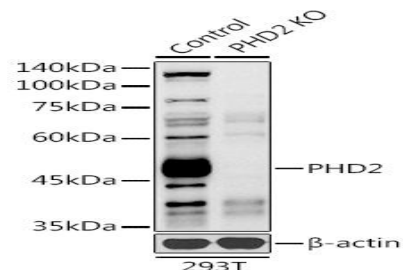
WB,1:500 - 1:2000|IHC,1:50 - 1:200|IF/ICC,1:50 - 1:200

Storage&Stability:

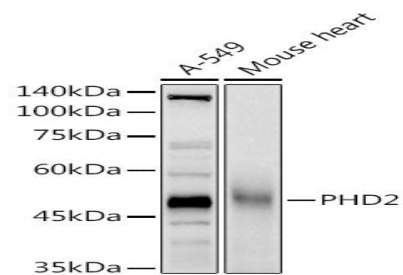
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

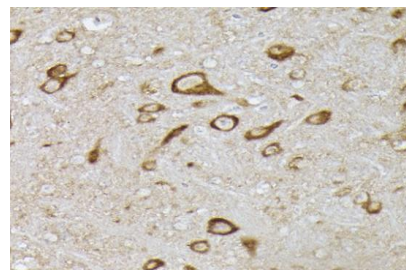
Unmodification

DATA:

Western blot analysis of extracts from normal and PHD2/EGLN1 knockout 293T cells, using PHD2/EGLN1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Western blot analysis of extracts of various cell lines, using PHD2/EGLN1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Immunohistochemistry of paraffin-embedded mouse brain using [KO Validated] PHD2/EGLN1 Rabbit pAb at dilution of 1:150. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before

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Email: info@biogot.com

Tel: 0086-025-68037686

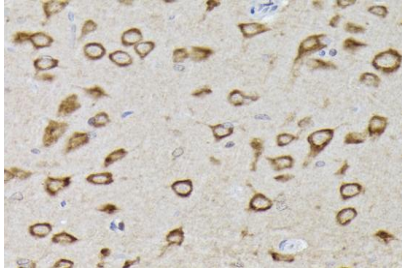
Fax: 0086-025-68035151



PRODUCT DATA SHEET

Bioworld Technology, Inc.

commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded rat brain using [KO Validated] PHD2/EGLN1 Rabbit pAb at dilution of 1:150. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before

commencing with IHC staining protocol.

Note:

For research use only, not for use in diagnostic procedure.

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