Leader in Biomolecular Solutions for Life Science

PHD3 Rabbit mAb

Catalog No.: A21225

Recombinant | 1 Publications

www.abclonal.com

Basic Information

Observed MW
32 kDa

Calculated MW
27 kDa

Category
Monoclonal Antibodies

Applications
WB, IHC-P, IF/ICC, ELISA

Cross Reactivity
Human, Mouse

Clone No.
ARC52452

Background

Enables peptidyl-proline 4-dioxygenase activity. Involved in several processes, including activation of cysteine-type endopeptidase activity involved in apoptotic process; peptidyl-proline hydroxylation to 4-hydroxy-L-proline; and response to hypoxia. Located in cytosol and nucleus. Implicated in renal cell carcinoma. Biomarker of clear cell renal cell carcinoma.

Recommended Dilutions

WB	1:5000 - 20000
IHC-P	1:100 - 1:1000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg /mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
112399

Swiss-Prot
Q9H6Z9

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
PHD3; HIFPH3; HIFP4H3

Product Information

Source
Rabbit

Isotype
IgG

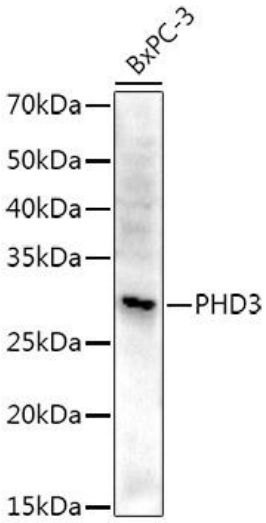
Purity
Affinity purification

Storage
Store at -20℃

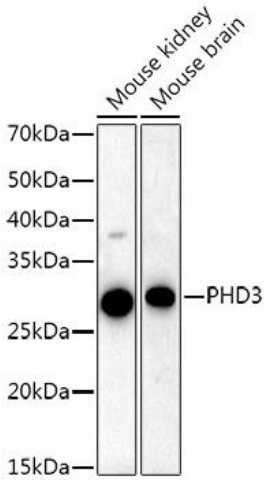
Contact

☎	400-999-6126
✉	cn.market@abclonal.com.cn
🌐	www.abclonal.com.cn

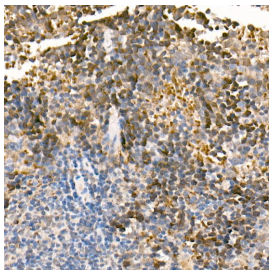
Validation Data



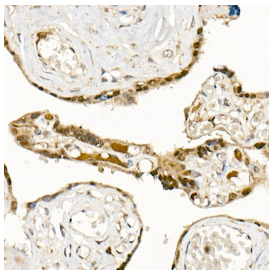
Western blot analysis of lysates from BxPC-3 cells, using PHD3 Rabbit mAb (A21225) at 1:20000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



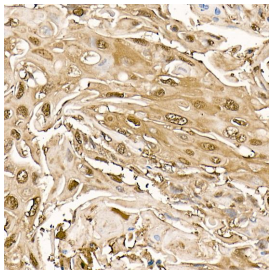
Western blot analysis of various lysates using PHD3 Rabbit mAb (A21225) at 1: 20000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



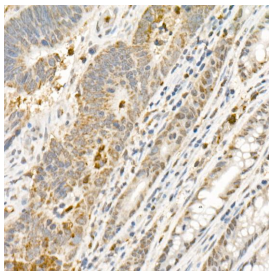
Immunohistochemistry analysis of paraffin-embedded Mouse spleen using PHD3 Rabbit mAb (A21225) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



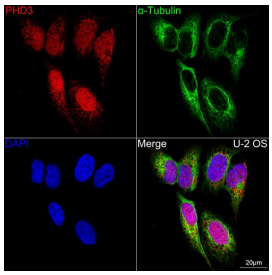
Immunohistochemistry analysis of paraffin-embedded Human placenta using PHD3 Rabbit mAb (A21225) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using PHD3 Rabbit mAb (A21225) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using PHD3 Rabbit mAb (A21225) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of U-2 OS cells using PHD3 Rabbit mAb (A21225,dilution 1:200) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012,dilution 1: 400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.