

# Product Datasheet

## EGLN1/PHD2 Antibody (2445B) - BSA Free NBP2-76810

Unit Size: 0.1 mg

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

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Updated 2/24/2026 v.20.1

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**NBP2-76810**

EGLN1/PHD2 Antibody (2445B) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2445B
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	46 kDa

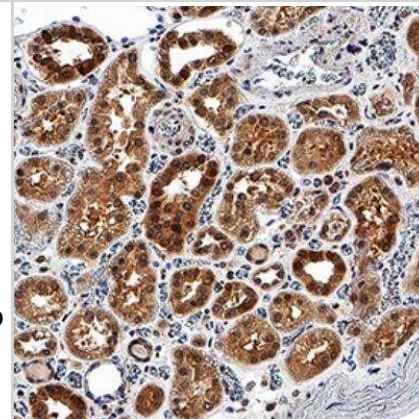
Product Description	
Description	Novus Biologicals Rabbit EGLN1/PHD2 Antibody (2445B) - BSA Free (NBP2-76810) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	54583
Gene Symbol	EGLN1
Species	Human
Immunogen	This EGLN1/PHD2 antibody was developed against a partial synthetic peptide from the N-terminal portion of the human EGLN1/PHD2 protein.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 - 2 ug/mL, Flow Cytometry 0.25 ug, Immunohistochemistry 5 - 20 ug/mL, Immunocytochemistry/ Immunofluorescence 5 - 20 ug/mL, Immunohistochemistry-Paraffin 5 - 20 ug/mL, Flow (Intracellular) 0.25 ug

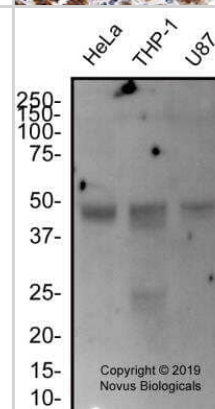


## Images

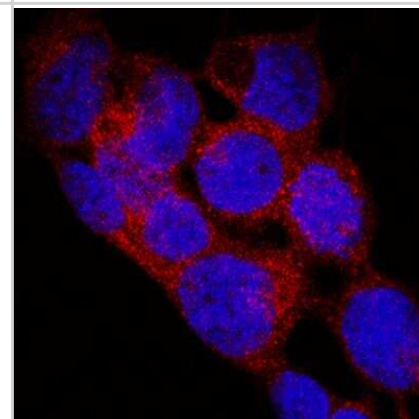
**Immunohistochemistry-Paraffin:** EGLN1/PHD2 Antibody (2445B) [NBP2-76810] - EGLN1/PHD2 was detected in immersion fixed paraffin-embedded sections of human kidney using Rabbit Anti-EGLN1/PHD2 Monoclonal Antibody (Catalog #NBP2-76810) at 3 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Rabbit IgG VisUCyt(TM) HRP Polymer Antibody (Catalog # VC003). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cell cytoplasm and nuclei.



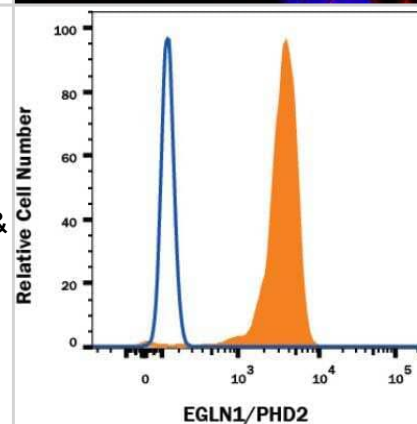
**Western Blot:** EGLN1/PHD2 Antibody (2445B) [NBP2-76810] - Total protein from human HeLa, THP-1 and U87 cell lines was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/mL anti-PHD2 antibody in block buffer and detected with an anti-rabbit HRP secondary antibody using West Pico PLUS chemiluminescence detection reagent.



**Immunocytochemistry/Immunofluorescence:** EGLN1/PHD2 Antibody (2445B) [NBP2-76810] - EGLN1/PHD2 was detected in immersion fixed WM-115 human malignant melanoma cell line using Rabbit Anti-EGLN1/PHD2 Monoclonal Antibody (Catalog # NBP2-76810) at 3 ug/mL for 3 hours at room temperature. Cells were stained using the NorthernLight(TM) 557-conjugated Anti-Rabbit IgG secondary antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to cell cytoplasm and nuclei.



**Flow Cytometry:** EGLN1/PHD2 Antibody (2445B) [NBP2-76810] - Human Jurkat T Cell Leukemia Cell Line was stained with Rabbit anti-EGLN1/PHD2 Monoclonal Antibody (Catalog # NBP2-76810, filled histogram) or Rabbit IgG Isotype Control Antibody (Catalog # MAB1050, open histogram) followed by Phycoerythrin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0110). To facilitate intracellular staining, cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012).





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### **Products Related to NBP2-76810**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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