Datasheet for ABIN652648

# anti-PHD1 antibody (AA 194-221)

3 Images

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## Overview

| | |
|---|---|
| Quantity: | 400 µL |
| Target: | PHD1 (EGLN2) |
| Binding Specificity: | AA 194-221 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PHD1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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|---|---|
| Immunogen: | This EGLN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 194-221 amino acids from the Central region of human EGLN2. |
| Clone: | RB22708 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

| | |
|---|---|
| Target: | PHD1 (EGLN2) |
| Alternative Name: | EGLN2 (EGLN2 Products) |

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## Target Details

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|---|---|
| Background: | EGLN2 catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF-1 alpha at 'Pro-402' and 'Pro-564', and HIF-2 alpha. It functions as a cellular oxygen sensor and, under normoxic conditions, targets HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex. It may play a role in cell growth regulation. |
| Molecular Weight: | 43650 |
| Gene ID: | 112398 |
| NCBI Accession: | NP_444274, NP_542770 |
| UniProt: | Q96KS0 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway, Cell RedoxHomeostasis |

## Application Details

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|---|---|
| Application Notes: | WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |

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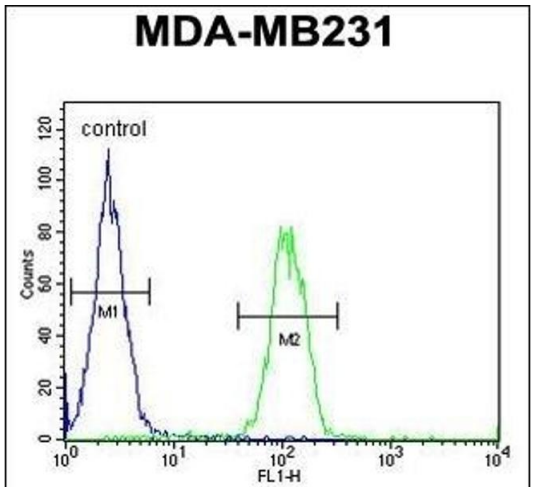
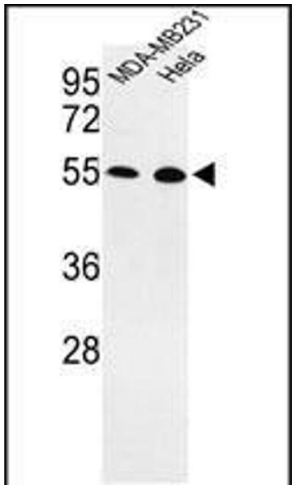


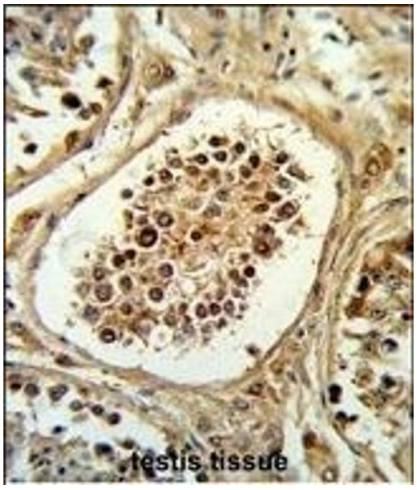

## Flow Cytometry

**Image 1.** EGLN2 Antibody (Center) (ABIN652648 and ABIN2842435) flow cytometric analysis of MDA-M cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.




## Western Blotting

**Image 2.** Western blot analysis of EGLN2 Antibody (Center) (ABIN652648 and ABIN2842435) in MDA-M, Hela cell line lysates (35 µg/lane). EGLN2 (arrow) was detected using the purified Pab.




## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin-embedded human testis tissue reacted with EGLN2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.