

## Rabbit anti-Human EGLN1 Polyclonal Antibody | anti-EGLN1 antibody

EGLN1 Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA308749</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

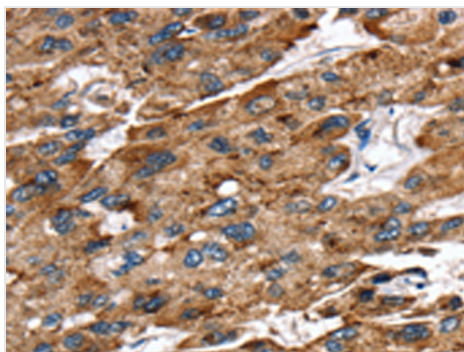
### PRODUCT SYNONYMS

EGLN1; Polyclonal Antibody; EGLN1 Antibody; HPH2; PHD2; SM20; ECYT3; HPH-2; HIFPH2; ZMYND6; C1orf12; HIF-PH2; anti-EGLN1 antibody

### PRODUCT SPECIFICATIONS

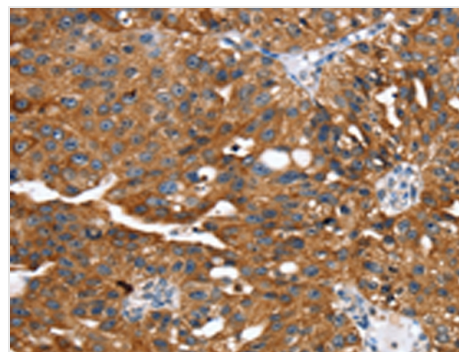
|                                                 |                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------|
| Host                                            | Rabbit                                                          |
| Reactivity                                      | Human                                                           |
| Clonality                                       | Polyclonal                                                      |
| Specificity                                     | The antibody detects endogenous levels of total EGLN1 protein.  |
| Purity/Purification                             | Antigen Affinity Purification                                   |
| Form/Format                                     | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol. |
| Concentration                                   | 1.3 mg/ml (varies by lot)                                       |
| Sequence Length                                 | 426                                                             |
| Applicable Applications for anti-EGLN1 antibody | IHC (Immunohistochemistry)                                      |
| Immunogen                                       | Fusion protein of human EGLN1                                   |
| Immunogen Type                                  | Protein                                                         |
| Preparation and Storage                         | Store at -20 degree C                                           |

### IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/25.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using at dilution 1/25.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EGLN1 antibody | 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. |
| Product Categories/Family for anti-EGLN1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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                 | 36,486 Da                                                               |
| 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; HALAH; HPH-2; HIFPH2; ZMYND6; C1orf12; HIF-PH2 |
| NCBI Protein Information         | egl nine homolog 1                                                      |
| 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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