

## Rabbit anti-Human EPAS1 Polyclonal Antibody | anti-EPAS1 antibody

EPAS1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA233792 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

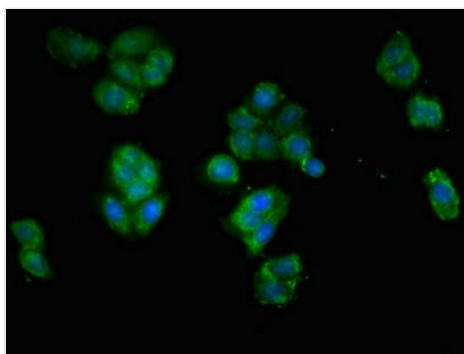
### PRODUCT SYNONYMS

EPAS1; Polyclonal Antibody; EPAS1 Antibody; Endothelial PAS domain-containing protein 1; EPAS-1; Basic-helix-loop-helix-PAS protein MOP2; Class E basic helix-loop-helix protein 73; bHLHe73; HIF-1-alpha-like factor; HLF; Hypoxia-inducible factor 2-alpha; HIF-2-alpha; HIF2-alpha; Member of PAS protein 2; PAS domain-containing protein 2; BHLHE73; HIF2A; MOP2; PASD2; anti-EPAS1 antibody

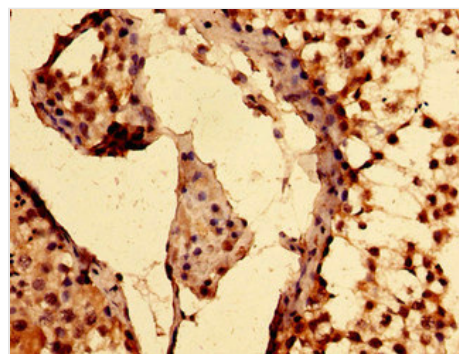
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                            |
| Reactivity                                      | Human                                                                             |
| Clonality                                       | Polyclonal                                                                        |
| Isotype                                         | IgG                                                                               |
| Purity/Purification                             | >95%, Protein G purified                                                          |
| Form/Format                                     | Liquid                                                                            |
| Sequence Length                                 | 870                                                                               |
| Applicable Applications for anti-EPAS1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                        |
| Immunogen                                       | Recombinant Human Endothelial PAS domain-containing protein 1 protein (543-870AA) |
| Conjugation                                     | Non-conjugated                                                                    |
| Buffer                                          | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4  |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.       |

### IMAGES


**IF (Immunofluorescence)**

Immunofluorescent analysis of HepG2 cells using AAA233792 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human testis tissue using AAA233792 at dilution of 1:100

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EPAS1 antibody | Transcription factor involved in the induction of oxygen regulated genes. Binds to core DNA sequence 5'-[AG]CGTG-3' within the hypoxia response element (HRE) of target gene promoters. Regulates the vascular endothelial growth factor (VEGF) expression and seems to be implicated in the development of blood vessels and the tubular system of lung. May also play a role in the formation of the endothelium that gives rise to the blood brain barrier. Potent activator of the Tie-2 tyrosine kinase expression. Activation seems to require recruitment of transcriptional coactivators such as CREBBP and probably EP300. Interaction with redox regulatory protein APEX seems to activate CTAD. |
| Product Categories/Family for anti-EPAS1 antibody   | Epigenetics and Nuclear Signaling; Cancer; Cardiovascular; Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| NCBI GI #                        | 40254439                                                                   |
| NCBI GeneID                      | 2034                                                                       |
| NCBI Accession #                 | NP_001421.2                                                                |
| NCBI GenBank Nucleotide #        | NM_001430.4                                                                |
| UniProt Accession #              | Q99814; Q86VA2; Q99630                                                     |
| Molecular Weight                 | 96,459 Da                                                                  |
| NCBI Official Full Name          | endothelial PAS domain-containing protein 1                                |
| NCBI Official Synonym Full Names | endothelial PAS domain protein 1                                           |
| NCBI Official Symbol             | EPAS1                                                                      |
| NCBI Official Synonym Symbols    | HLF; MOP2; ECYT4; HIF2A; PASD2; bHLHe73                                    |
| NCBI Protein Information         | endothelial PAS domain-containing protein 1                                |
| UniProt Protein Name             | Endothelial PAS domain-containing protein 1                                |
| UniProt Gene Name                | EPAS1                                                                      |
| UniProt Synonym Gene Names       | BHLHE73; HIF2A; MOP2; PASD2; EPAS-1; bHLHe73; HLF; HIF-2-alpha; HIF2-alpha |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/epas1-antibody-immunofluorescence-immunohistochemistry-elisa/233792>