10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# HIF-2 alpha Antibody

Rabbit mAb
Catalog # AP90159

## Product Information

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|---|---|
| **Application** | WB, IF, FC, ICC |
| **Primary Accession** | Q99814 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | bHLHe73;ECYT4;EPAS 1;EPAS1;HIF2A;HLF;MOP 2;PASD2 |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 96459 |

## Additional Information

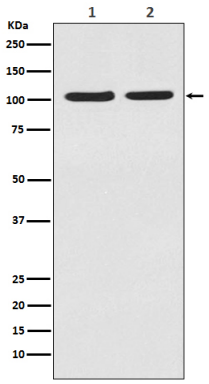
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|---|---|
| **Dilution** | WB 1:500~1:2000 ICC/IF 1:50~1:200 FC 1:50 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human HIF-2 alpha |
| **Description** | Transcription factor involved in the 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. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

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| **Name** | EPAS1 |
| **Synonyms** | BHLHE73, HIF2A, MOP2, PASD2 |
| **Function** | Transcription factor involved in the induction of oxygen regulated genes. Heterodimerizes with ARNT; heterodimer binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) of target gene promoters (By similarity). 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 requires recruitment of transcriptional coactivators such as CREBBP and probably EP300. Interaction with redox regulatory protein APEX1 seems to activate CTAD (By similarity). |

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| **Cellular Location** | Nucleus {ECO:0000250\|UniProtKB:P97481, ECO:0000255\|PROSITE-ProRule:PRU00981}. Nucleus speckle {ECO:0000250\|UniProtKB:P97481}. Note=Colocalizes with HIF3A in the nucleus and speckles. {ECO:0000250\|UniProtKB:P97481} |
| **Tissue Location** | Expressed in most tissues, with highest levels in placenta, lung and heart. Selectively expressed in endothelial cells |

## Images




Western blot analysis of HIF-2 alpha in (1)MCF-7 cell lysate;(2)HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.