

Product Datasheet

HIF-2-alpha Antibody



Catalog No: CY5098

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC/IF FC

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Information

UniProt ID: Q99814

All Names: Hypoxia-inducible factor 2-alpha; bHLHe73;ECYT4;EPAS 1;EPAS1;HIF2A;HLF;MOP 2;PASD2

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 96 kDa

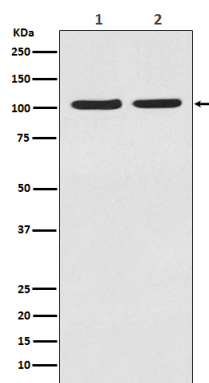
Application

WB: 1:500~1:2000

ICC/IF: 1:50~1:200

Background

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 CREBPB and probably EP300. Interaction with redox regulatory protein APEX seems to activate CTAD.



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

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