



# **HIF1A, CT (HIF1A, BHLHE78, MOP1, PASD8, Hypoxia-inducible factor 1-alpha, ARNT-interacting protein, Basic-helix-loop-helix-PAS protein MOP1, Class E basic helix-loop-helix protein 78, Member of PAS protein 1, PAS domain-containing protein 8) (APC)**

## **Catalog number**

036549-APC

## **Supplier**

United States Biological

Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). This gene encodes the alpha subunit of HIF-1. Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas. Two alternative transcripts encoding different isoforms have been identified.

## **Applications**

Suitable for use in Western Blot, FLISA

## **Recommended Dilution**

FLISA: 1:1,000

Western Blot: 1:100-500

## **Storage and Stability**

Store product at 4°C in the dark. DO NOT FREEZE! Stable at 4°C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

## **Note**

Applications are based on unconjugated antibody.

## **Immunogen**

HIF1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 735-762 amino acids from the C-terminal region of human HIF1A.

## **Formulation**

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).

## **Purity**

Purified by Protein A affinity chromatography.

## **Specificity**

For in vitro research use only, not for human or veterinary diagnostic or medical use

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Human

**Product Type**

Pab

**Source**

human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

FLISA WB

**Crossreactivity**

Hu

**Storage**

4°C Do Not Freeze

**Detection Method**

APC

**Reference**

Gonsalves, C., et al. J. Immunol. 185(10):6253-6264(2010)  
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Espinosa, I., et al. Am. J. Surg. Pathol. 34(11):1708-1714(2010)  
Corzo, C.A., et al. J. Exp. Med. 207(11):2439-2453(2010)  
Shen, G.M., et al. FEBS Lett. 584(20):4366-4372(2010)