HIF-1α monoclonal antibody (Hα111a)

Hypoxia inducible factor-1 (HIF-1) is a transcriptional complex which regulates systemic, local and intracellular homeostatic responses elicited by hypoxia. HIF-1 is a heterodimer of HIF-1alpha and HIF-1beta. HIF-1beta is constitutively expressed and serves as a dimerization partner for several other transcription factors, while HIF-1alpha and the closely related HIF-2 are unique to HIF-1 and their expression is tightly regulated by cellular oxygen concentration. HIF-1 regulates a diverse group of genes, including erythropoietin, VEGF, glucose transporters, heme oxygenase, and NOS.

This antibody is covered by our Worry-Free Guarantee.

Citations: 4 View Online »

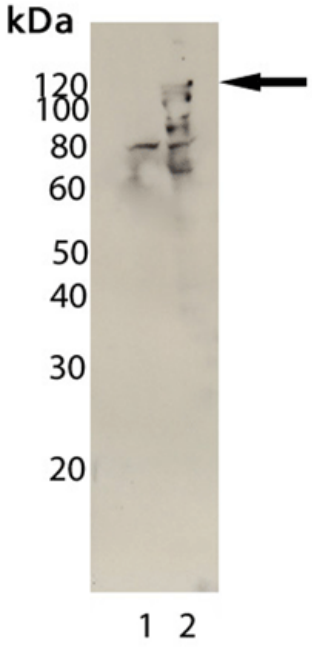
Ordering Information

Order Online »

ADI-OSA-602-E	100µg

Manuals, SDS & CofA

View Online »



Western blot analysis of HIF-1α, mAb (Hα111a) (Prod. No. ADI-OSA-602): Lane 1: HeLa Cell Lysate (Prod. No. ADI-LYC-HL100), Lane 2: HeLa+CoCl2 Cell Lysate.

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Hypoxia-inducible factor 1α, ARNT-interacting protein
Application	IHC, WB
Application Notes	Detects a band of ~120kDa by Western blot.
Clone	Halpha111a
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.
Host	Mouse
Immunogen	Recombinant human HIF-1α.
Isotype	IgG2a
Purity Detail	Protein G affinity purified.
Recommendation Dilutions/Conditions	Western Blot (4μg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from hybridoma tissue culture supernatant.
Species Reactivity	Human
Technical Info / Product Notes	Recommended by the Human Protein Atlas Organization for IHC (Ensembl No. ENSG00000100644).
UniProt ID	Q16665

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