

Datasheet for ABIN363203  
**anti-HIF1A antibody (AA 432-528)**

## 8 Images

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## Overview

Quantity:	0.1 mL
Target:	HIF1A
Binding Specificity:	AA 432-528
Reactivity:	Human, Mouse, Rat, Cow, Monkey, Pig, Sheep, Ferret
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HIF1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS), Chromatin Immunoprecipitation (ChIP), Gel Shift (GS)

## Product Details

Immunogen:	Fusion protein containing amino acids 432-528 of human HIF-1alpha
Clone:	H1alpha67
Isotype:	IgG2b
Specificity:	Reacts with human HIF-1 alpha
Cross-Reactivity:	Mouse (Murine), Cow (Bovine), Rabbit, Sheep (Ovine)
Cross-Reactivity (Details):	Cross reacts with proteins from monkey, sheep, mouse, rat, rabbit, pig, bovine and ferret.
Purification:	Purified (protein A)

## Target Details

Target:	HIF1A
Alternative Name:	Hypoxia-Inducible Factor 1-alpha ( <a href="#">HIF1A Products</a> )
Background:	HIF-1 is a nuclear protein involved in mammalian oxygen homeostasis. This occurs as a posttranslational modification by prolyl hydroxylation. HIF-1 is a heterodimer composed of HIF-1 alpha and HIF-1 beta subunits. Both subunits are constantly translated. However, under normoxic conditions, human HIF-1 alpha is hydroxylated at Pro402 or Pro564 by a set of HIF prolyl hydroxylases, is polyubiquitinated, and eventually degraded in proteosomes.
Gene ID:	3091
UniProt:	<a href="#">Q16665</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Tube Formation</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">VEGFR1 Specific Signals</a> , <a href="#">Warburg Effect</a>

## Application Details

Application Notes:	Working dilution: Optimal dilution should be determined by the end user. The following are guidelines only: IHC1:100-1:300 WB1:500-1:1000 ICC/ IF1:100-1:500 IP1:10
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1.5 mg/mL
Buffer:	Tris-glycine, 150 mM NaCl pH 7.5, Sodium azide 0.05 %
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 4°C. Do not freeze.

Image 1.

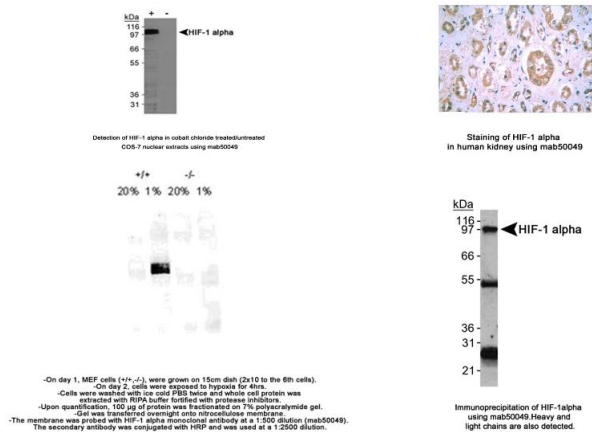
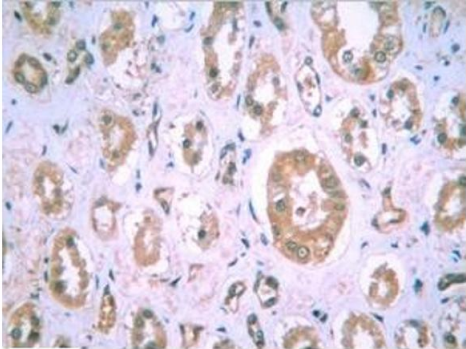
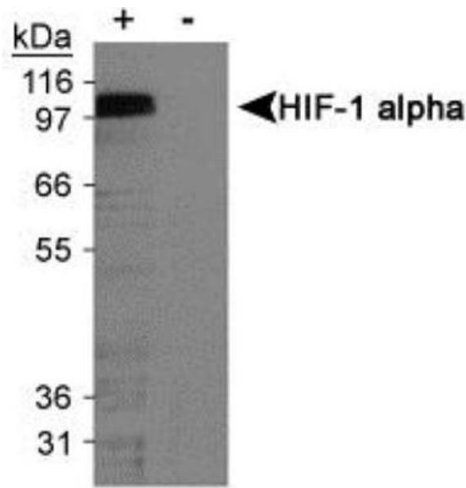


Image 2.



Staining of HIF-1 alpha  
in human kidney using mab50049

Image 3.



Please check the [product details page](#) for more images. Overall 8 images are available for ABIN363203.