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Datasheet for ABIN652389

## anti-HIF1A antibody (AA 519-547)

5 Images



**Publications** 



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Quantity:	400 μL
Target:	HIF1A
Binding Specificity:	AA 519-547
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIF1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS),
	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This HIF1Alpha antibody is generated from rabbits immunized with a KLH conjugated synthetic
	nentide hetween 510-547 amino acids from the Central region of human HIF1Alpha

lmmunogen:	This HIF1Alpha antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 519-547 amino acids from the Central region of human HIF1Alpha.
Clone:	RB14548
Isotype:	lg Fraction
Predicted Reactivity:	B, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## **Target Details**

Target: HIF1A

## **Target Details**

Alternative Name:	HIF1Alpha (HIF1A Products)	
Background:	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.	
Molecular Weight:	92670	
Gene ID:	3091	
NCBI Accession:	NP_001230013, NP_001521, NP_851397	
UniProt:	Q16665	
Pathways:	Positive Regulation of Peptide Hormone Secretion, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Cellular Response to Molecule of Bacterial Origin Carbohydrate Homeostasis, Transition Metal Ion Homeostasis, Tube Formation, Regulation of Carbohydrate Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals, Warburg Effect	
Application Details		
Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:250. IHC-P: 1:50~100. FC: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
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,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	

Expiry Date:

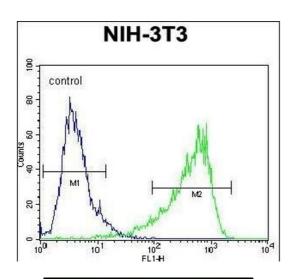
6 months

#### **Publications**

Product cited in:

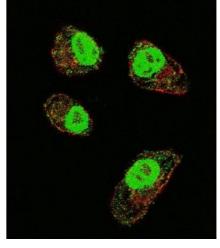
Geillinger, Rathmann, Köhrle, Fiamoncini, Daniel, Kipp: "Hepatic metabolite profiles in mice with a suboptimal selenium status." in: **The Journal of nutritional biochemistry**, Vol. 25, Issue 9, pp. 914-22, (2014) (PubMed).

## Images



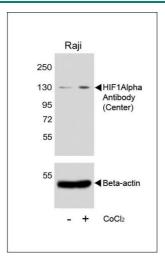
#### **Flow Cytometry**

**Image 1.** HIF1Alpha Antibody (Center) (ABIN652389 and ABIN2841889) flow cytometric analysis of NIH-3T3 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



#### Immunofluorescence

Image 2. Confocal immunofluorescent analysis of HIF1Alpha Antibody (Center) (ABIN652389 and ABIN2841889) with MDA-M cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



### **Western Blotting**

**Image 3.** Western blot analysis of lysates from Raji cell line, untreated or treated with CoCl2(0. 1 mM), using HIF1Alpha Antibody (Center) (ABIN652389 and ABIN2841889) (upper) or Beta-actin (lower).

Please check the product details page for more images. Overall 5 images are available for ABIN652389.