



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## HIF1A monoclonal antibody (M02), clone 1D4

Catalog # : H00003091-M02

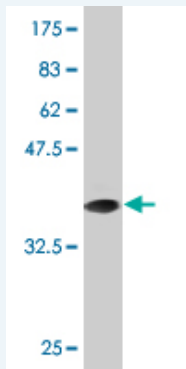
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant HIF1A.
<b>Immunogen:</b>	HIF1A (NP_001521, 717 a.a. ~ 826 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	QRKRKMEHDGSLFQAVGIGTLLQQPDDHAATTSLSWKRVKGGCKSSEQN GMEQKTIIIPSDLACRLLGQSMDEGLPQLTSYDCEVNAPIQGSRNLLQ GEELLRALDQVN
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2b Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.84 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

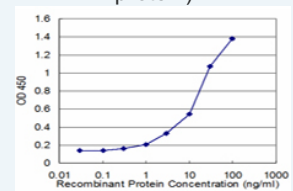
[Protocol Download](#)

**Sandwich ELISA (Recombinant protein)**

### Application Image

Western Blot (Recombinant protein)

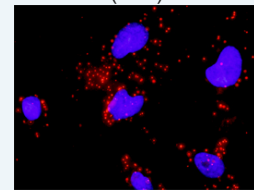
Sandwich ELISA (Recombinant protein)



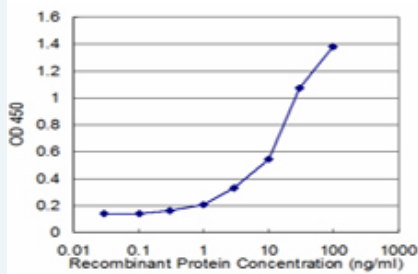
[enlarge](#)

ELISA

*In situ* Proximity Ligation Assay (Cell)



[enlarge](#)

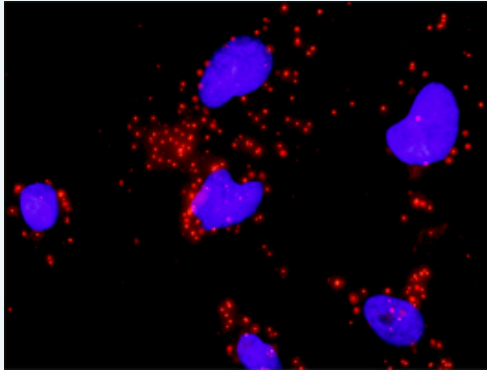


Detection limit for recombinant GST tagged HIF1A is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

## ELISA

### *In situ* Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between HDAC2 and HIF1A. HeLa cells were stained with anti-HDAC2 rabbit purified polyclonal 1:1200 and anti-HIF1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

## Gene Information

Entrez GeneID: [3091](#)

GeneBank [NM\\_001530](#)  
Accession#:

Protein [NP\\_001521](#)  
Accession#:

Gene Name: HIF1A

Gene Alias: HIF-1alpha,HIF1,HIF1-ALPHA,MOP1,PASD8,bHLHe78

Gene Description: hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)

Omim ID: [603348](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** 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. [provided by RefSeq]

**Other** ARNT interacting protein,hypoxia-inducible factor 1, alpha  
**Designations:** subunit,hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor),member of PAS superfamily 1

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### Gene Pathway

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[mTOR signaling pathway](#) [Pathways in cancer](#) [Renal cell carcinoma](#)

### Related Disease

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[Acute Disease](#) [Adenocarcinoma](#) [Altitude Sickness](#) [Angina Pectoris](#) [Anoxia](#) [Breast cancer](#)  
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[Carcinoma, Non-Small-Cell Lung](#) [Carcinoma, Renal Cell](#) [Carcinoma, Squamous Cell](#)  
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