

## HIF1AN Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full-length recombinant HIF1AN.

Catalog # AT2369a

### Specification

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#### HIF1AN Antibody (monoclonal) (M01) - Product Information

Application	IF, IP, WB, E
Primary Accession	<a href="#">O9NWT6</a>
Other Accession	<a href="#">BC007719</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	40285

#### HIF1AN Antibody (monoclonal) (M01) - Additional Information

Gene ID 55662

##### Other Names

Hypoxia-inducible factor 1-alpha inhibitor, 11411n4, Factor inhibiting HIF-1, FIH-1, Hypoxia-inducible factor asparagine hydroxylase, HIF1AN, FIH1

##### Target/Specificity

HIF1AN (AAH07719.1, 1 a.a. ~ 349 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### Dilution

WB~~1:500~1000

##### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### Storage

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

##### Precautions

HIF1AN Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

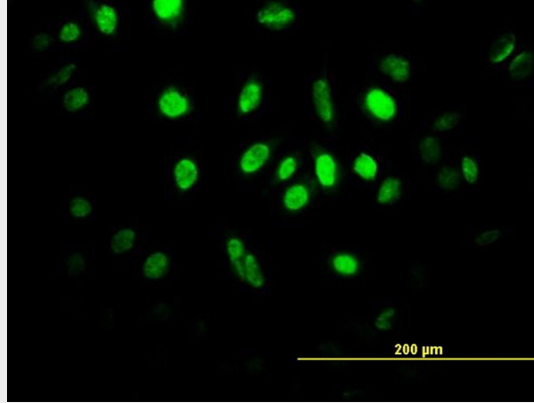
#### HIF1AN Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

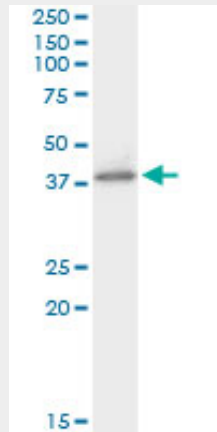
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

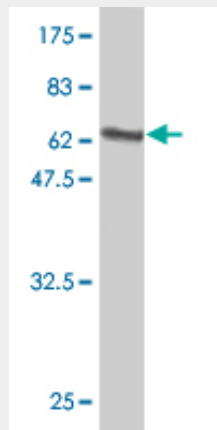
### HIF1AN Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to HIF1AN on HeLa cell. [antibody concentration 10 ug/ml]

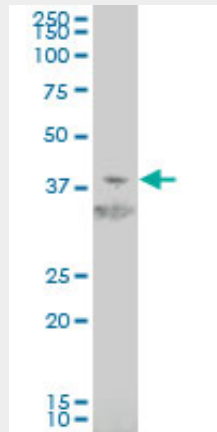


Immunoprecipitation of HIF1AN transfected lysate using anti-HIF1AN monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with HIF1AN monoclonal antibody.

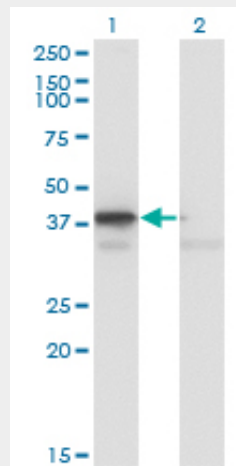


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen

(64.13 KDa) .

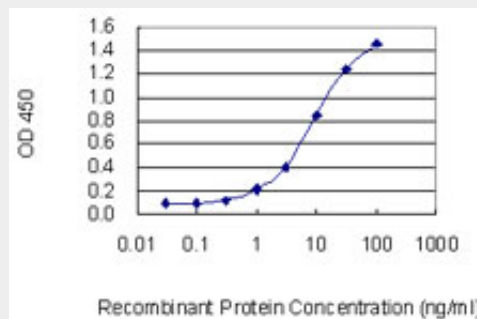


HIF1AN monoclonal antibody (M01), clone 1D8 Western Blot analysis of HIF1AN expression in Jurkat (Cat # AT2369a)



Western Blot analysis of HIF1AN expression in transfected 293T cell line by HIF1AN monoclonal antibody (M01), clone 1D8.

Lane 1: HIF1AN transfected lysate (Predicted MW: 40.3 KDa).  
 Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged HIF1AN is 0.1 ng/ml as a capture antibody.

### HIF1AN Antibody (monoclonal) (M01) - References

A Large-scale genetic association study of esophageal adenocarcinoma risk. Liu CY, et al. Carcinogenesis, 2010 Jul. PMID 20453000. miR-31 ablates expression of the HIF regulatory factor FIH

to activate the HIF pathway in head and neck carcinoma. Liu CJ, et al. Cancer Res, 2010 Feb 15. PMID 20145132. Genome-Wide Scan of Copy Number Variation in Late-Onset Alzheimer's Disease. Heinzen EL, et al. J Alzheimers Dis, 2009 Sep 11. PMID 19749422. Mint3 enhances the activity of hypoxia-inducible factor-1 (HIF-1) in macrophages by suppressing the activity of factor inhibiting HIF-1. Sakamoto T, et al. J Biol Chem, 2009 Oct 30. PMID 19726677. Nutlin-3, an Hdm2 antagonist, inhibits tumor adaptation to hypoxia by stimulating the FIH-mediated inactivation of HIF-1alpha. Lee YM, et al. Carcinogenesis, 2009 Oct. PMID 19696166.