

Datasheet for ABIN7156025  
**anti-HIF1AN antibody (AA 2-254)**

## 5 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	HIF1AN
Binding Specificity:	AA 2-254
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIF1AN antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Hypoxia-inducible factor 1-alpha inhibitor protein (2-254AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	HIF1AN
Alternative Name:	HIF1AN ( <a href="#">HIF1AN Products</a> )
Background:	Background: Hydroxylates HIF-1 alpha at '\\\\'Asp-803\\\\' in the C-terminal transactivation

## Target Details

domain (CAD). Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents interaction of HIF-1 with transcriptional coactivators including Cbp/p300-interacting transactivator. Involved in transcriptional repression through interaction with HIF1A, VHL and histone deacetylases. Hydroxylates specific Asn residues within ankyrin repeat domains (ARD) of NFKB1, NFKBIA, NOTCH1, ASB4, PPP1R12A and several other ARD-containing proteins. Also hydroxylates Asp and His residues within ARDs of ANK1 and TNKS2, respectively. Negatively regulates NOTCH1 activity, accelerating myogenic differentiation. Positively regulates ASB4 activity, promoting vascular differentiation.

Aliases: DKFZp762F1811 antibody, Factor inhibiting HIF-1 antibody, Factor inhibiting HIF1 antibody, FIH 1 antibody, FIH-1 antibody, FIH1 antibody, FLJ20615 antibody, FLJ22027 antibody, HIF1AN antibody, HIF1N\_HUMAN antibody, Hypoxia inducible factor 1 alpha inhibitor antibody, Hypoxia inducible factor 1 alpha subunit inhibitor antibody, Hypoxia inducible factor asparagine hydroxylase antibody, Hypoxia-inducible factor 1-alpha inhibitor antibody, Hypoxia-inducible factor asparagine hydroxylase antibody, Peptide aspartate beta dioxygenase antibody

UniProt: [Q9NWT6](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#)

## Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

Format: Liquid

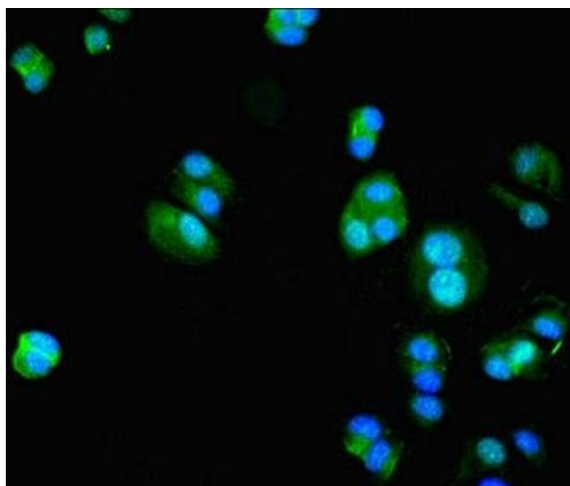
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

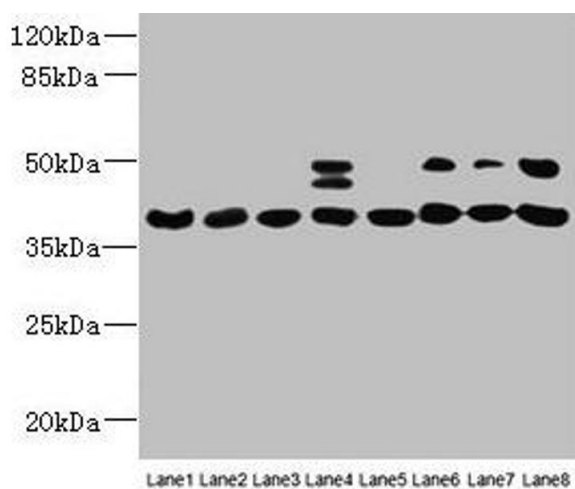
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



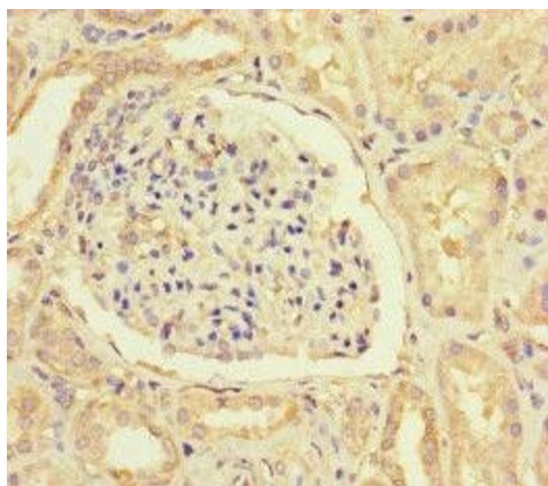
#### Immunofluorescence

**Image 1.** Immunofluorescent analysis of MCF-7 cells using ABIN7156025 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### Western Blotting

**Image 2.** Western blot All lanes: HIF1AN antibody at 12  $\mu$ g/mL Lane 1: Mouse heart tissue Lane 2: Mouse skeletal muscle tissue Lane 3: K562 whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: HL60 whole cell lysate Lane 6: 293T whole cell lysate Lane 7: Jurkat whole cell lysate Lane 8: A375 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 41 kDa Observed band size: 41, 48 kDa



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7156025 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7156025.