

Datasheet for ABIN7156027

**anti-HIF1AN antibody (AA 2-254) (FITC)**[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 conjugated to FITC |
| Application:         | Please inquire                             |

## Product Details

|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| Immunogen:        | Recombinant Human Hypoxia-inducible factor 1-alpha inhibitor protein (2-254AA) |
| Isotype:          | IgG                                                                            |
| Cross-Reactivity: | Human                                                                          |
| 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 domain (CAD). Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation |

## Target Details

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

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.