

HIF1AN Antibody

Rabbit mAb Catalog # AP91867

Specification

HIF1AN Antibody - Product Information

Application WB, IHC, FC, ICC

Primary Accession
Clonality
Other Names

OgnWT6
Monoclonal

FIH 1; FIH1; HIF1AN;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 40285 Da

HIF1AN Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500 FC~~1:10~50 ICC~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

HIF1AN

Description 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 prevents interaction of HIF-1 with transcriptional coactivators including

Cbp/p300-interacting transactivator.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

HIF1AN Antibody - Protein Information

Name HIF1AN

Synonyms FIH1

Function

Hydroxylates HIF-1 alpha at 'Asn-803' in the C-terminal transactivation 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.

Cellular Location

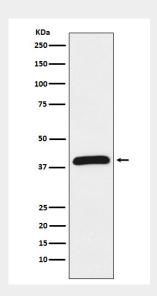
Nucleus. Cytoplasm. Cytoplasm, perinuclear region. Note=Mainly cytoplasmic localization, but interaction with NOTCH1 results in nuclear localization and interaction with ABPA3 results in perinuclear localization in macrophages

HIF1AN Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

HIF1AN Antibody - Images



Western blot analysis of HIF1AN expression in Jurkat cell lysate.