info@arigobio.com

ARG56304
anti-HIF1AN antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HIF1AN
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HIF1AN
Species	Human
Immunogen	Recombinant protein of Human HIF1AN
Conjugation	Un-conjugated
Alternate Names	Factor inhibiting HIF-1; FIH-1; Hypoxia-inducible factor asparagine hydroxylase; Hypoxia-inducible factor 1-alpha inhibitor; EC 1.14.11.n4; EC 1.14.11.30; FIH1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
IP	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: MCF7

Properties

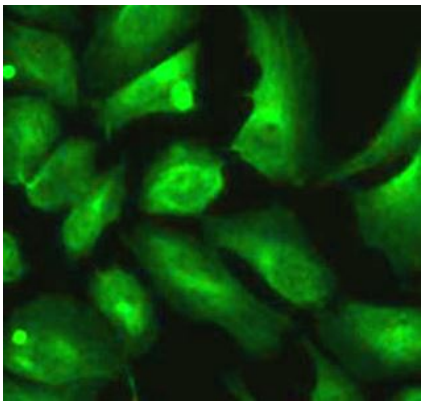
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

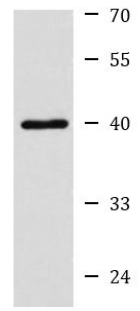
Database links	GeneID: 319594 Mouse GeneID: 55662 Human Swiss-port # Q8BLR9 Mouse Swiss-port # Q9NWT6 Human
Gene Symbol	HIF1AN
Gene Full Name	hypoxia inducible factor 1, alpha subunit inhibitor
Function	Hydroxylates HIF-1 alpha at 'Asp-803' in the C-terminal transactivation domain (CAD). Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents interaction of HIF-1 with transcriptional coactivators including Cbp/p300-interacting transactivator. 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. [UniProt]
Calculated Mw	40 kDa

Images



ARG56304 anti-HIF1AN antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG56304 anti-HIF1AN antibody.



ARG56304 anti-HIF1AN antibody WB image

Western blot: MCF7 cell lysate stained with ARG56304 anti-HIF1AN antibody.