Datasheet for ABIN7156026

anti-HIF1AN antibody (AA 2-254) (Biotin)

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 Biotin
Application:	ELISA

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 (HIF1AN Products)
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

Application Notes:	Optimal working dilution should be determined by the investigator.
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.