

Datasheet for ABIN7091237
anti-HIF1AN antibody (AA 1-349)



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Overview

Quantity:	100 µL
Target:	HIF1AN
Binding Specificity:	AA 1-349
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HIF1AN antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HIF1AN
Clone:	L8U9
Predicted Reactivity:	Human

Target Details

Target:	HIF1AN
Alternative Name:	HIF1AN (HIF1AN Products)
Background:	Synonyms: Hypoxia inducible factor asparagine hydroxylase, Factor inhibiting HIF1, FIH 1, FIH-1, FIH1, Hypoxia inducible factor 1 alpha inhibitor, Hypoxia inducible factor 1 alpha subunit inhibitor, Peptide aspartate beta dioxygenase, DKFZp762F1811, FLJ20615, FLJ22027, HIF1N_HUMAN.

Target Details

Background: Hydroxylates HIF-1 alpha at 'Asp-803' in the C-terminaltransactivation domain (CAD). Functions as an oxygen sensor and,under normoxic conditions, the hydroxylation prevents interactionof HIF-1 with transcriptional coactivators includingCbp/p300-interacting transactivator. Involved in transcriptionalrepression through interaction with HIF1A, VHL and histonedacetylases. Hydroxylates specific Asn residues within ankyrinrepeat domains (ARD) of NFKB1, NFKBIA, NOTCH1, ASB4, PPP1R12A andseveral other ARD-containing proteins. Also hydroxylates Asp andHis residues within ARDs of ANK1 and TNKS2, respectively.Negatively regulates NOTCH1 activity, accelerating myogenicdifferentiation. Positively regulates ASB4 activity, promotingvascular differentiation.

Gene ID:	55662
UniProt:	Q9NWT6
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB 1:300-5000 IF() ICC 1:100-500
Restrictions:	For Research Use only

Handling

Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months