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Datasheet for ABIN2778530 anti-HIF3A antibody (C-Term)

2 Images

1 Publication



Overview

Quantity:	100 μL
Target:	HIF3A
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIF3A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human HIF3A
Sequence:	PGSLQDPSTP LLNLNEPLGL GPSLLSPYSD EDTTQPGGPF QPRAGSAQAD
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against HIF3A. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified
Target Details	
Target:	HIF3A
Alternative Name:	HIF3A (HIF3A Products)

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Target Details	
Background:	HIF3A is the alpha-3 subunit of one of several alpha/beta-subunit heterodimeric transcription
	factors that regulate many adaptive responses to low oxygen tension (hypoxia). The alpha-3
	subunit lacks the transactivation domain found in factors containing either the alpha-1 or alpha-
	2 subunits. It is thought that factors containing the alpha-3 subunit are negative regulators of
	hypoxia-inducible gene expression. The protein encoded by this gene is the alpha-3 subunit of
	one of several alpha/beta-subunit heterodimeric transcription factors that regulate many
	adaptive responses to low oxygen tension (hypoxia). The alpha-3 subunit lacks the
	transactivation domain found in factors containing either the alpha-1 or alpha-2 subunits. It is
	thought that factors containing the alpha-3 subunit are negative regulators of hypoxia-inducible
	gene expression. At least three transcript variants encoding three different isoforms have been
	found for this gene.
	Alias Symbols: IPAS, MOP7, PASD7, HIF-3A, bHLHe17
	Protein Interaction Partner: HSP90AA1, VHL, EGLN3, EGLN1, EGLN2, HIF1A,
	Protein Size: 667
Molecular Weight:	72 kDa
Gene ID:	64344
NCBI Accession:	NM_152794, NP_690007
UniProt:	Q9Y2N7
Pathways:	Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 667 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide

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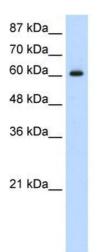
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

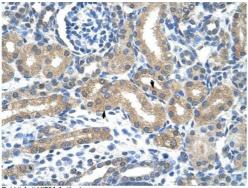
	adaptations." in: FASEB journal : official publication of the Federation of American Societies for Experimental Biology , Vol. 29, Issue 12, pp. 4901-13, (2015) (PubMed).
	induced under hypoxic stress via hypoxia-inducible factor 1α and functions in cellular
Product cited in:	Huang, Chen, Wu, Huang, He, Tang, Wang, Wang: "The zebrafish miR-462/miR-731 cluster is

Images



Western Blotting

Image 1. WB Suggested Anti-HIF3A Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate There is BioGPS gene expression data showing that HIF3A is expressed in HepG2



Rabbit Anti-HIF3A Antibody Catalog Number: ARP39936 Lot Number: OC10988 Paraffin Embeded Tissue: Human Kidney Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows) Antibody Concentration: 4.0-8.0 µg/ml Magnification: 400X Immunohistochemistry

Image 2. Human kidney