

Rabbit HIF1A Polyclonal Antibody | anti-HIF1A antibody

HIF1A antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197109	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HIF1A; Polyclonal Antibody; HIF1A antibody - N-terminal region; anti-HIF1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	EGAGGANDKK KISSERRKEK SRDAARSRRS KESEVFYELA HQLPLPHNVS
Applicable Applications for anti-HIF1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Protein Size (# AA)	826 amino acids
Blocking Peptide	For anti-HIF1A antibody is
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human HIF1A
Enhanced Validation	WB Y SPR YCHAROS
Protein Interactions	HDAC1; EP300; ARNTL; HDAC3; VHL; UBC; SUMO3; EGLN3; HIF1AN; SENP3; HSP90AA1; ATM; ARNT2; SART3; SUMO2; SIN3A; TRIM28; HSPA4; TRAF6; GNB2L1; EGLN1; SQSTM1; SUMO1; HEXIM1; LAMP2; HSPA8; RB1; SP1; SMAD3; MAFK; PCGF2; TCEB2; TCEB1; MAFG; HSP90AB1; DCUN1D1; RB
Predicted Homology	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 87%; Rabbit: 100%; Rat: 100%; Yeast: 100%; Zebrafish: 86%
Replacement Item	This antibody may replace item sc-10790 from Santa Cruz Biotechnology.
Preparation and Storage	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.

IMAGES



WB (Western Blot)

25 ug of the indicated Human whole cell extracts was loaded onto a 6-18% SDS-PAGE gel. 1 ug/mL of the antibody was used in this experiment. The protein may be modified by phosphorylation.



IHC (Immunohistochemistry)

Rabbit Anti-HIF1A antibodyParaffin Embedded Tissue: Human Heart cell Cellular Data: cardiac cell of renal tubuleAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X



Application Data

Rabbit Anti-HIF1A AntibodyCatalog Number: AAA197109Formalin Fixed Paraffin Embedded Tissue: Human Bone Marrow TissueObserved Staining: Nucleus, CytoplasmPrimary Antibody Concentration: 1:100Other Working Concentrations: N/ASecondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-HIF1A antibody	Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). HIF1A is the alpha subunit of HIF-1. Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas. Two alternative transcripts encoding different isoforms have been identified.
Product Categories/Family for anti-HIF1A antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Drugs and Drug Metabolism; Cell Biology; Hypoxia; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	31077211
NCBI GeneID	3091
NCBI Accession #	NP_851397
NCBI GenBank Nucleotide #	NM_181054
UniProt Accession #	Q16665
Molecular Weight	93 kDa
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 2
NCBI Official Synonym Full Names	hypoxia inducible factor 1 subunit alpha
NCBI Official Symbol	HIF1A
NCBI Official Synonym Symbols	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA; HIF-1-alpha
NCBI Protein Information	hypoxia-inducible factor 1-alpha
UniProt Protein Name	Hypoxia-inducible factor 1-alpha
UniProt Gene Name	HIF1A
UniProt Synonym Gene Names	BHLHE78; MOP1; PASD8; HIF-1-alpha; HIF1-alpha; bHLHe78
UniProt Entry Name	HIF1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hif1a-antibody-immunohistochemistry-western-blot-elisa/197109>