

Rabbit anti-Human Hypoxia-inducible factor 1-alpha Polyclonal Antibody | anti-HIF1A antibody

Rabbit anti-human Hypoxia-inducible factor 1-alpha polyclonal Antibody

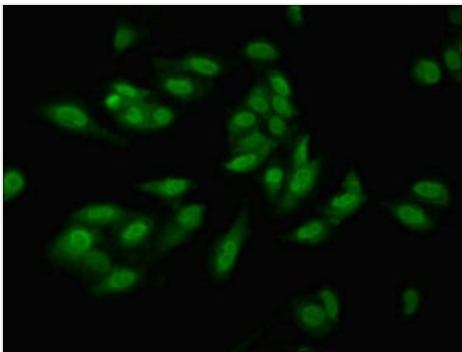
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229166	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

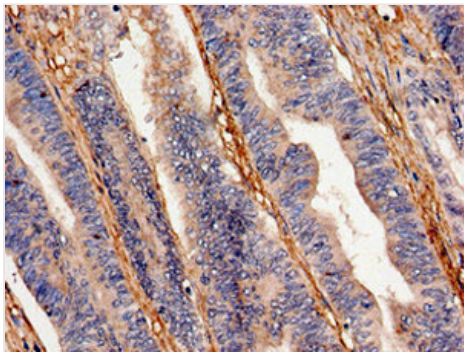
Hypoxia-inducible factor 1-alpha; Polyclonal Antibody; Rabbit anti-human Hypoxia-inducible factor 1-alpha polyclonal Antibody; Hypoxia-inducible factor 1-alpha (HIF-1-alpha) (HIF1-alpha) (ARNT-interacting rotein) (Basic-helix-loop-helix-PAS protein MOP1) (Class E basic helix-loop-helix protein 78) (bHLHe78) (Member of PAS protein 1) (PAS domain-containing protein 8); HIF1A; BHLHE78 MOP1 PASD8; anti-HIF1A antibody

PRODUCT SPECIFICATIONS

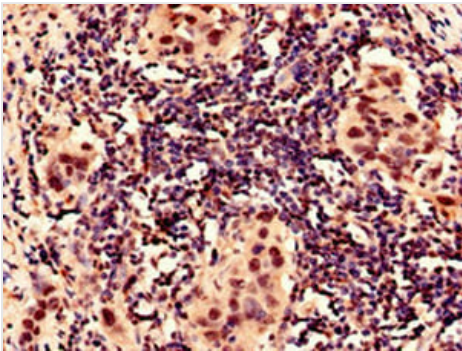
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G Purified
Form/Format	Liquid
Applicable Applications for anti-HIF1A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Hypoxia-inducible factor 1-alpha protein (579-826AA)
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Species	Homo sapiens (Human)
Research Area	Cardiovascular
Target Names	HIF1A
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



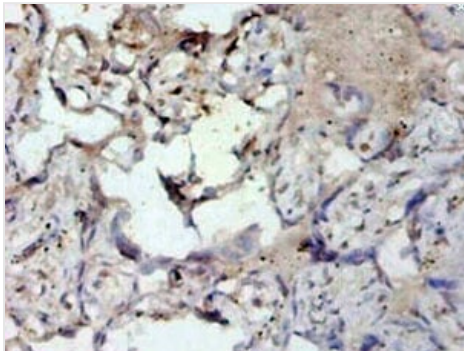
IF (Immunofluorescence)
Immunofluorescent analysis of Hela cells using AAA229166 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



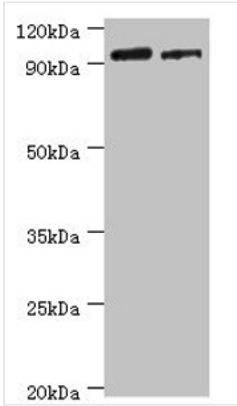
ICC (Immunocytochemistry)
Immunocytochemistry analysis of human colon cancer using AAA229166 at dilution of 1:100



ICC (Immunocytochemistry)
Immunocytochemistry analysis of human bladder cancer using AAA229166 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human placenta using AAA229166 at dilution 1:50



WB (Western Blot)
All lanes: Hypoxia-inducible factor 1-alpha antibody at 2ug/mL Lane 1: HGC27 whole cell lysate Lane 2: A549 whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 93,83,96 kDa Observed band size: 93 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HIF1A antibody

Functions as a master transcriptional regulator of the adaptive response to hypoxia. Under hypoxic conditions, activates the transcription of over 40 genes, including erythropoietin, glucose transporters, glycolytic enzymes, vascular endothelial growth factor, HILPDA, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. Plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. Binds to core DNA sequence 5'-[AG]CGTG-3' within the hypoxia response element (HRE) of target gene promoters. Activation requires recruitment of transcriptional coactivators such as CREBPB and EP300. Activity is enhanced by interaction with both, NCOA1 or NCOA2. Interaction with redox regulatory protein APEX seems to activate CTAD and potentiates activation by NCOA1 and CREBBP. Involved in the axonal distribution and transport of mitochondria in neurons during hypoxia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	340545531
NCBI GeneID	3091
NCBI Accession #	NP_001230013.1
NCBI GenBank Nucleotide #	NM_001243084.1
UniProt Accession #	Q16665; Q53XP6; Q96PT9; Q9UPB1; C0LZJ3
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 3
NCBI Official Synonym Full Names	hypoxia inducible factor 1 alpha subunit
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/hypoxia-inducible-factor-1-alpha-antibody-immunofluorescence-immunohistochemistry-elisa/229166>