

Rabbit anti-Human, Mouse HIF1 alpha Polyclonal Antibody | anti-HIF1A antibody

HIF1 alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312108	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

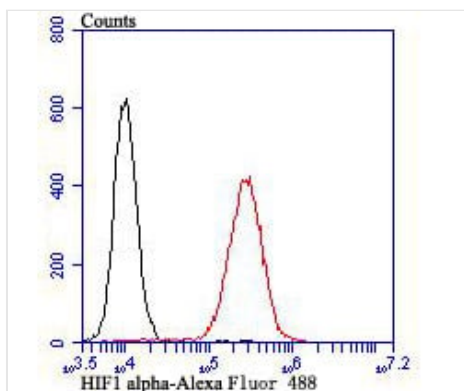
PRODUCT SYNONYMS

HIF1 alpha; Polyclonal Antibody; HIF1 alpha Antibody; ARNT interacting protein antibody; ARNT-interacting protein antibody; Basic helix loop helix PAS protein MOP1 antibody; Basic-helix-loop-helix-PAS protein MOP1 antibody; bHLHe78 antibody; Class E basic helix-loop-helix protein 78 antibody; HIF 1A antibody; HIF 1alpha antibody; HIF-1-alpha antibody; HIF1 A antibody; HIF1 Alpha antibody; HIF1 antibody; HIF1-alpha antibody; HIF1A antibody; HIF1A_HUMAN antibody; Hypoxia inducible factor 1 alpha antibody; Hypoxia inducible factor 1 alpha isoform I.3 antibody; Hypoxia inducible factor 1 alpha subunit antibody; Hypoxia inducible factor 1 alpha subunit basic helix loop helix transcription factor antibody; Hypoxia inducible factor 1; alpha subunit (basic helix loop helix transcription factor) antibody; Hypoxia inducible factor1alpha antibody; Hypoxia-inducible factor 1-alpha antibody; Member of PAS protein 1 antibody; Member of PAS superfamily 1 antibody; Member of the PAS Superfamily 1 antibody; MOP 1 antibody; MOP1 antibody; PAS domain-containing protein 8 antibody; PASD 8 antibody; PASD8 antibody; anti-HIF1A antibody

PRODUCT SPECIFICATIONS

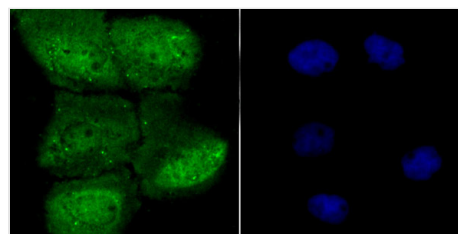
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-HIF1A antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



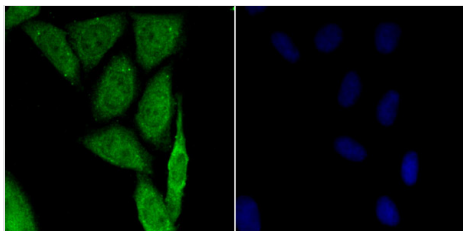
ICC (Immunocytochemistry)

ICC staining HIF-1 alpha in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS. Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



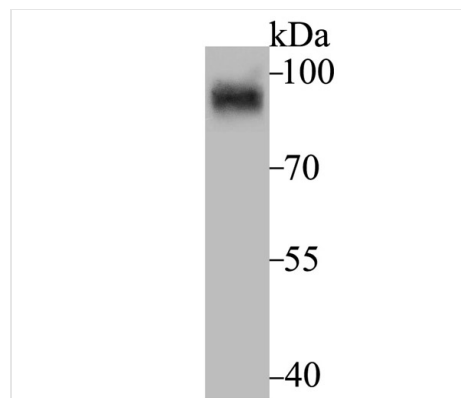
ICC (Immunocytochemistry)

ICC staining HIF-1 alpha in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining HIF-1 alpha in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of HIF-1 alpha on mouse small intestine tissue lysate using anti-HIF-1 alpha antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HIF1A antibody	Cell growth and viability is compromised by oxygen deprivation (hypoxia). Hypoxia-inducible factors, including HIF-1alpha, HIF-1beta (also designated Arnt 1), EPAS-1 (also designated HIF-2alpha) and HIF-3alpha, induce glycolysis, erythropoiesis and angiogenesis in order to restore oxygen homeostasis. Hypoxia-inducible factors are members of the Per-Arnt-Sim (PAS) domain transcription factor family. In response to hypoxia, HIF-1alpha is upregulated and forms a heterodimer with Arnt 1 to form the HIF-1 complex. The HIF-1 complex recognizes and binds to the hypoxia responsive element (HRE) of hypoxia-inducible genes, thereby activating transcription. Hypoxia-inducible expression of some genes such as Glut-1, p53, p21 or Bcl-2, is HIF-1alpha dependent, whereas expression of others, such as p27, GADD 153 or HO-1, is HIF-1alpha independent. EPAS-1 and HIF-3alpha have also been shown to form heterodimeric complexes with Arnt 1 in response to hypoxia.
Product Categories/Family for anti-HIF1A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504385
NCBI GeneID	3091
NCBI Accession #	NP_001521.1
NCBI GenBank Nucleotide #	NM_001530.3
UniProt Accession #	Q16665 ; Q53XP6 ; Q96PT9 ; Q9UPB1 ; C0LZJ3
Molecular Weight	92,670 Da
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 1
NCBI Official Synonym Full Names	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
NCBI Official Symbol	HIF1A
NCBI Official Synonym Symbols	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA
NCBI Protein Information	hypoxia-inducible factor 1-alpha; HIF-1-alpha; member of PAS protein 1; ARNT interacting protein; ARNT-interacting protein; member of PAS superfamily 1; hypoxia-inducible factor1alpha; PAS domain-containing protein 8; basic-helix-loop-helix-PAS protein MO
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/hif1-alpha-antibody-flow-cytometry-immunocytochemistry-western-blot-elisa/312108>