

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

Rabbit anti-HIF1-alpha Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210862	Rabbit	Human, Mouse	Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot

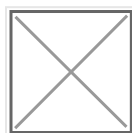
PRODUCT SYNONYMS

HIF1-alpha; Polyclonal Antibody; Rabbit anti-HIF1-alpha Antibody; Affinity Purified; HIF1; hypoxia inducible factor 1; alpha subunit (basic helix-loop-helix transcription factor); PASD8; PAS domain-containing protein 8; MOP1; member of PAS superfamily 1; member of PAS protein 1; hypoxia-inducible factor1alpha; hypoxia-inducible factor 1-alpha; hypoxia-inducible factor 1 alpha isoform I.3; hypoxia inducible factor 1 alpha subunit; HIF1-ALPHA; HIF-1-alpha; HIF-1A; class E basic helix-loop-helix protein 78; bHLHe78; basic-helix-loop-helix-PAS protein MOP1; ARNT-interacting protein; HIF-1alpha; Hypoxia-inducible factor 1-alpha; hypoxia inducible factor 1 subunit alpha; anti-HIF1-alpha antibody

PRODUCT SPECIFICATIONS

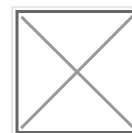
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-HIF1-alpha antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Chicken, Bovine
Immunogen	Between 776 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human HIF1 alpha by western blot. Samples: Whole cell lysate (50 ug) from HepG2 cells that were either treated with 200 uM cobalt chloride (+) or mock treated (-). Antibodies: Affinity purified rabbit anti-HIF1 alpha antibody AAA210862 (lot number AAA210862-7) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with exposure times of 10 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



WB (Western Blot)

Detection of mouse HIF1 alpha by western blot. Samples: Whole cell lysate (50 ug) from NIH3T3cells that were either treated with 200 uM cobalt chloride (+) or mock treated (-). Antibodies: Affinity purified rabbit anti-HIF1 alpha antibody AAA210862 (lot number AAA210862-7) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with exposure times of 3 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



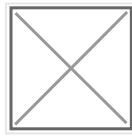
IP (Immunoprecipitation)

Detection of human HIF1 alpha by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HepG2 cells that were treated with 200 uM cobalt chloride or untreated. Antibodies: Affinity purified rabbit anti-HIF1 alpha antibody AAA210862 (lot number AAA210862-7) used for WB at 0.04 ug/ml and for IP at 6 ug/mg lysate. Detection: Chemiluminescence with exposure times of 3 seconds.



IHC (Immunohistochemistry)

Detection of human HIF1-alpha by immunohistochemistry. Sample: FFPE section of renal cell carcinoma. Antibody: Affinity purified rabbit anti-HIF1-alpha antibody (AAA210862) used at a dilution of 1:100 (2ug/ml). Detection: DAB



ICC (Immunocytochemistry)

Detection of human HIF1-alpha by immunocytochemistry. Sample: Formaldehyde-fixed asynchronous HeLa cells treated with 200 uM cobalt chloride (left) or mock treatment (right). Antibody: Affinity purified rabbit anti-HIF1-alpha antibody Cat. No. AAA210862 Lot6 (upper images) and AAA210862 Lot5 (lower images) used at a dilution of 1:100 (2ug/ml). Detection: Red-fluorescent goat anti-rabbit IgG-heavy and light chain cross-adsorbed Antibody DyLight 594 Conjugated . Counterstain: DAPI (blue) and fluorescent phalloidin (green).

ADDITIONAL INFORMATION

Related Product Information for anti-HIF1-alpha antibody	Hypoxia-inducible factor-1 (HIF1) is a basic helix-loop-helix (bHLH)-PER-ARNT-sim (PAS) transcription factor that plays a role in the cellular response to hypoxia. HIF1 is a heterodimer of an HIF1-alpha and HIF1-beta subunit. During normoxia, HIF-1alpha is regulated by ubiquitination and interaction with the von-Hippel-Lindau tumor suppressor protein (pVHL).
Product Categories/Family for anti-HIF1-alpha antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	31077211
NCBI GeneID	3091
NCBI Accession #	NP_851397.1
NCBI GenBank Nucleotide #	NM_181054.2
UniProt Accession #	Q16665 ; Q53XP6 ; Q96PT9 ; Q9UPB1 ; C0LZJ3
Molecular Weight	95,634 Da
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 2
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/hif1-alpha-antibody-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/210862>