

Goat HIF1 alpha Polyclonal Antibody | anti-HIF1 alpha antibody

HIF1 alpha Polyclonal Antibody

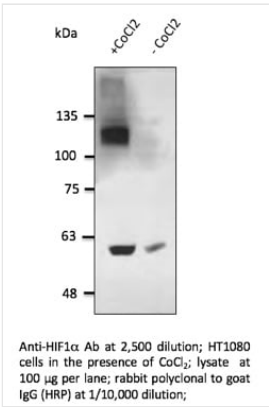
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA63105	Goat	Reacts against human, canine, and mouse proteins	Western Blot

PRODUCT SYNONYMS

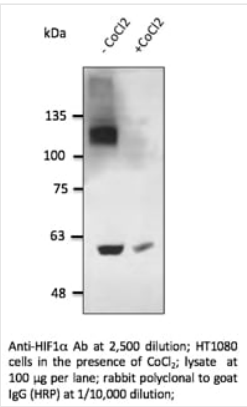
HIF1 alpha; Polyclonal Antibody; HIF1 alpha Polyclonal Antibody; Anti-HIF1a; alpha subunit (basic helix-loop-helix transcription factor); ARNT interacting protein; basic-helix-loop-helix-PAS protein MOP1; bHLHe78; class E basic helix-loop-helix protein 78; HIF-1alpha; HIF1; HIF1-ALPHA; HIF1a; hypoxia inducible factor 1; hypoxia-inducible factor 1 alpha isoform I.3; hypoxia-inducible factor 1; hypoxia-inducible factor 1-alpha; member of PAS protein 1; member of PAS superfamily 1; MOP1; PASD8; PAS domain-containing protein 8 antibody; anti-HIF1 alpha antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Reacts against human, canine, and mouse proteins
Clonality	Polyclonal
Isotype	IgG
Specificity	Detects HIF1a in transfected cells and a band of approximately 120 kDa by Western blot in cell lysates.
Purity/Purification	Epitope Affinity Purified
Form/Format	Polyclonal antibody supplied as a 100 ul (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.
Concentration	3 mg/ml (varies by lot)
Sequence Length	826
Applicable Applications for anti-HIF1 alpha antibody	WB (Western Blot)
Immunogen	Recombinant peptide derived from within residues 470 to 590 aa of human HIF1a produced in E Coli.
Conjugation	Unconjugated
Preparation and Storage	Long-term storage: Store at -20 degree C. Short term storage: Store at 2-8 degree C for up to one month. Avoid freeze/thaw cycles.



Application Data



Application Data

Reactivity chart				
Sample	Western Blot	Immuno-Fluorescence	Immuno-Histochemistry (p)	Immuno-Histochemistry (f)
human	+++	ND	ND	ND
rat	+++	ND	ND	ND
mouse	+++	ND	ND	ND
canine	+++	ND	ND	ND
monkey	+++	ND	ND	ND

Reactivity Data

ADDITIONAL INFORMATION

Related Product Information for anti-HIF1 alpha antibody	Goat polyclonal to alpha subunit of transcription factor hypoxia-inducible factor-1 (HIF-1), which is a heterodimer composed of an alpha and a beta subunit. HIF-1 functions as a master regulator of cellular and systemic homeostatic response to hypoxia by activating transcription of many genes, including those involved in apoptosis, angiogenesis, energy metabolism, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. HIF-1 thus plays an essential role in tumour angiogenesis, embryonic vascularization, and pathophysiology of ischemic disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15214788
NCBI GeneID	3091
Molecular Weight	95,634 Da
NCBI Official Full Name	Hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
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.