

Mouse HIF1A Antibody | anti-HIF1A antibody

HIF1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108607	Mouse	Human, Mouse, Monkey	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

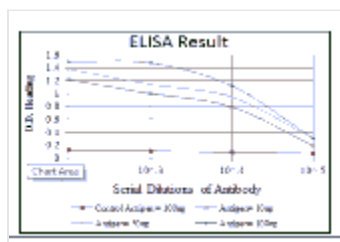
PRODUCT SYNONYMS

HIF1A; HIF1A Antibody; HIF1; MOP1; PASD8; bHLHe78; HIF-1alpha; HIF1-ALPHA; anti-HIF1A antibody

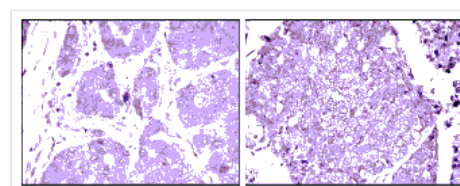
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Monkey
Isotype	IgG1
Clone Number	1A3
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	850
Applicable Applications for anti-HIF1A antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human HIF1A expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES

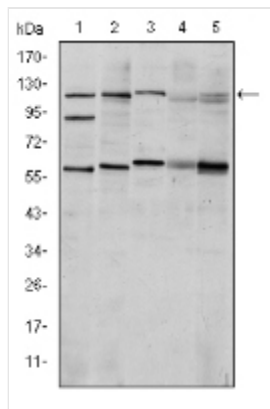


Application Data



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded liver cancer tissues (left) and lung cancer tissues (right) using HIF1A mouse mAb with DAB staining.



WB (Western Blot)

Western blot analysis using HIF1A mouse mAb against Cos7 (1), HeLa (2), Jurkat (3), RAJI (4) and NIH/3T3 (5) cell lysate.

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). This gene encodes 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. (provided by RefSeq) Tissue specificity: Expressed in most tissues with highest levels in kidney and heart. Overexpressed in the majority of common human cancers and their metastases, due to the presence of intratumoral hypoxia and as a result of mutations in genes encoding oncoproteins and tumor suppressors.

Product Categories/Family for anti-HIF1A antibody

[Autophagy antibody](#); [Cancer](#); [Cardiovascular](#); [Cell Biology](#); [Epigenetics & Nuclear Signaling](#); [Developmental Biologys](#); [Immunology](#); [Drug Discovery Products](#); [Metabolism](#); [Neuroscience](#); [Signal Transduction](#); [Stem Cells](#)

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
Molecular Weight	120kDa
NCBI Official Full Name	hypoxia-inducible factor 1-alpha isoform 3
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

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.

