

Rabbit Id1 Monoclonal Antibody | anti-Id1 antibody

Anti-Id1 Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47004	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

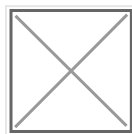
PRODUCT SYNONYMS

Id1; Monoclonal Antibody; Anti-Id1 Rabbit Monoclonal Antibody; DNA-binding protein inhibitor ID-1; Class B basic helix-loop-helix protein 24; bHLHb24; Inhibitor of DNA binding 1; Inhibitor of differentiation 1; ID1; BHLHB24; ID; anti-Id1 antibody

PRODUCT SPECIFICATIONS

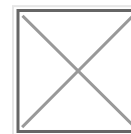
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	149
Applicable Applications for anti-Id1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthesized peptide derived from human Id1
Subcellular Localization	Cytoplasm. Nucleus.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Western blot analysis of Id1 in HepG2 cell lysate (AAA47004). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ID1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ID1.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney, using Id1 Antibody(AAA47004). ID1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-ID1 Antibody (AAA47004) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-Id1 antibody	Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation. Inhibits skeletal muscle and cardiac myocyte differentiation. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer (By similarity).
Product Categories/Family for anti-Id1 antibody	Epigenetics and Nuclear Signaling ; Transcription ; Domain Families ; HLH/Leucine Zipper ; HLH ; Epigenetics and Nuclear Signaling ; Cancer Susceptibility ; Proto-Oncogenes ; Cancer ; Signal Transduction ; Invasion/Microenvironment ; angiogenesis

NCBI AND UNIPROT INFORMATION

NCBI GI #	31317299
NCBI GeneID	3397
NCBI Accession #	NP_002156.2
NCBI GenBank Nucleotide #	NM_002165.3
UniProt Accession #	P41134 ; O00651 ; O00652 ; Q16371 ; Q16377 ; Q5TE66 ; Q5TE67 ; Q969Z7 ; Q9H0Z5 ; Q9H109 ; A8K537 ; E1P5L4
Molecular Weight	16133 MW
NCBI Official Full Name	DNA-binding protein inhibitor ID-1 isoform a
NCBI Official Synonym Full Names	inhibitor of DNA binding 1, HLH protein
NCBI Official Symbol	ID1
NCBI Official Synonym Symbols	ID; bHLHb24
NCBI Protein Information	DNA-binding protein inhibitor ID-1
UniProt Protein Name	DNA-binding protein inhibitor ID-1
UniProt Gene Name	ID1
UniProt Synonym Gene Names	BHLHB24; ID; bHLHb24

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/id1-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/47004>