

Rabbit Id1 Polyclonal Antibody | anti-Id1 antibody

Id1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323675	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Id1; Polyclonal Antibody; Id1 Antibody; bHLHb24; Class B basic helix-loop-helix protein 24; dJ857M17.1.2 (inhibitor of DNA binding 1; dominant negative helix-loop-helix protein); DNA binding protein inhibitor ID 1; DNA binding protein inhibitor ID1; DNA-binding protein inhibitor ID-1; Dominant negative helix loop helix protein; ID 1; ID; ID1; ID1_HUMAN; Inhibitor of Differentiation 1; Inhibitor of DNA binding 1; inhibitor of DNA binding 1; dominant negative helix-loop-helix protein; anti-Id1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Id1 antibody detects endogenous levels of total Id1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	155
Applicable Applications for anti-Id1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Id1
Subcellular Location	Cytoplasm. Nucleus.
Tissue Specificity	Expression correlates with proliferation in some types of cells.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit
Similarity	Pig (92%), Bovine (92%), Sheep (92%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323675 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA323675 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis Id1 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-Id1 antibody

Function: 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).
Subunit Structure: Heterodimer with other HLH proteins. Interacts with COPS5, IFI204, GATA4 and NKX2-5 (By similarity). Interacts with CLOCK and ARNTL/BMAL1.

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	Observed: 22 kDa Predicted: 17 kDa
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.

