

Rabbit ID1 Polyclonal Antibody | anti-ID1 antibody

ID1 Antibody (Center)

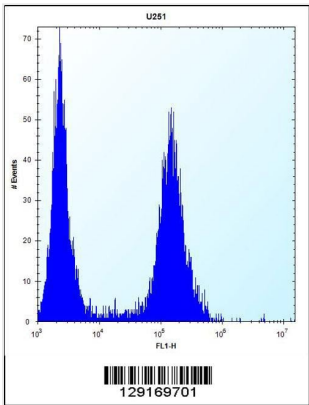
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28652	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Western Blot, ELISA, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

ID1; Polyclonal Antibody; ID1 Antibody (Center); DNA-binding protein inhibitor ID-1; Class B basic helix-loop-helix protein 24; bHLHb24; Inhibitor of DNA binding 1; Inhibitor of differentiation 1; BHLHB24; ID; anti-ID1 antibody

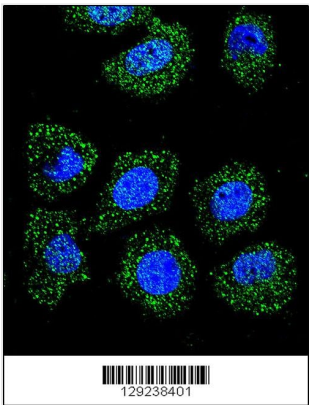
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ID1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-93 amino acids from the Central region of human ID1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.26 (varies by lot)
Sequence Positions	66-93
Sequence Length	155
Applicable Applications for anti-ID1 antibody	WB (Western Blot), ELISA, IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB~~1:1000
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



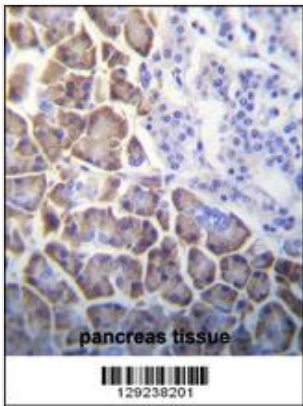
FCM (Flow Cytometry)

ID1 Antibody (Center) flow cytometric analysis of U251 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



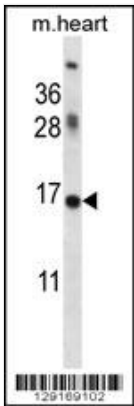
IF (Immunofluorescence)

Confocal immunofluorescent analysis of ID1 Antibody (Center) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



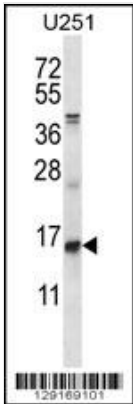
IHC (Immunohistochemistry)

ID1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ID1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



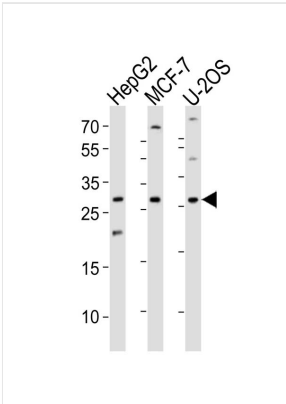
WB (Western Blot)

ID1 Antibody (Center) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the ID1(PEI 1:100) antibody detected the ID1 protein (arrow).



WB (Western Blot)

ID1 Antibody (Center) western blot analysis in U251 cell line lysates (35ug/lane).This demonstrates the ID1 antibody detected the ID1 protein (arrow).



WB (Western Blot)

Western blot analysis of lysates from HepG2, MCF-7, U-2OS cell line (from left to right), using ID1 Antibody (Center). AAA28652 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-ID1 antibody	The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].
Product Categories/Family for anti-ID1 antibody	Cancer; Immunology; Signal Transduction
References	Qian, T., et al. Oncogene 29(43):5818-5827(2010) Hamajima, Y., et al. Cell Prolif. 43(5):457-463(2010) Yang, J., et al. Circ. Res. 107(2):252-262(2010) Phi, J.H., et al. J Neurosurg Pediatr 5(6):608-614(2010) Geng, H., et al. Cancer Res. 70(8):3239-3248(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31317299
NCBI GeneID	3397
NCBI Accession #	NP_002156.2; NP_851998.1
NCBI GenBank Nucleotide #	NM_002165.3
UniProt Accession #	P41134; O00651; O00652; Q16371; Q16377; Q5TE66; Q5TE67; Q969Z7; Q9H0Z5; Q9H109; A8K537; E1P5L4
Molecular Weight	16133
NCBI Official Full Name	DNA-binding protein inhibitor ID-1 isoform a
NCBI Official Synonym Full Names	inhibitor of DNA binding 1, dominant negative helix-loop-helix 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
UniProt Entry Name	ID1_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.