

Rabbit anti-Human ID1 Polyclonal Antibody | anti-ID1 antibody

ID1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201790	Rabbit	Human	Immunohistochemistry, Western Blot

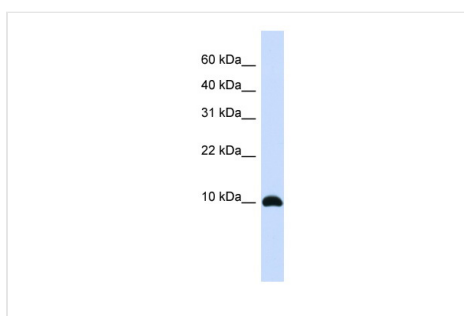
PRODUCT SYNONYMS

ID1; Polyclonal Antibody; ID1 antibody - middle region; anti-ID1 antibody

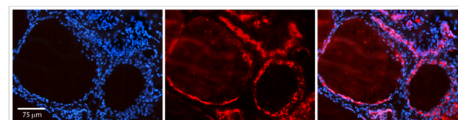
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: IR DLQLELNSES EVGTPGGRL PVRAPLSTLN GEISALTAEV RSRSDH
Sequence Length	149
Applicable Applications for anti-ID1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Human: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ID1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

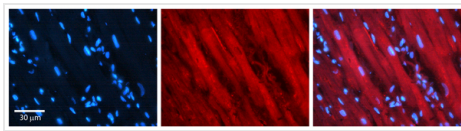


WB (Western Blot)

WB Suggested Anti-ID1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:7812500
Positive Control: Human brain


IHC (Immunohistochemistry)

Rabbit Anti-ID1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Thyroid Tissue
Observed Staining: Cytoplasm in follicular cells
Primary Antibody Concentration: 1:100
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec



IHC (Immunohistochemistry)

Rabbit Anti-ID1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue Observed Staining: Cytoplasmic
Primary Antibody Concentration: 1:100
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-ID1 antibody	This is a rabbit polyclonal antibody against ID1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: ID1 is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. It 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. 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.
Product Categories/Family for anti-ID1 antibody	Polyclonal ; Drugs and Drug Metabolism ; Cell Biology ; Various ; DNA/RNA/Protein Interactions ; Transcription Factors ; Cell Morphogenesis

NCBI AND UNIPROT INFORMATION

NCBI GI #	31317299
NCBI GeneID	3397
NCBI Accession #	NP_851998
NCBI GenBank Nucleotide #	NM_181353
UniProt Accession #	P41134
Molecular Weight	15kDa
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
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.