

Rabbit ID4 Polyclonal Antibody | anti-ID4 antibody

ID4 Antibody

CATALOG # AAA323886	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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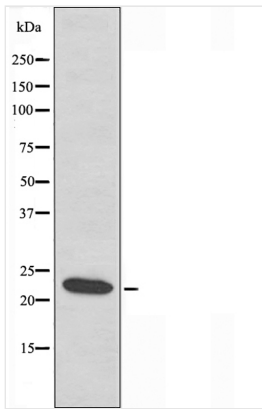
PRODUCT SYNONYMS

ID4; Polyclonal Antibody; ID4 Antibody; bHLHb27; Class B basic helix-loop-helix protein 27; DNA binding protein inhibitor ID 4; DNA binding protein inhibitor ID4; DNA-binding protein inhibitor ID-4; ID 4; Id4; ID4_HUMAN; IDB4; Inhibitor of DNA binding 4; Inhibitor of DNA binding 4 dominant negative helix loop helix protein; anti-ID4 antibody

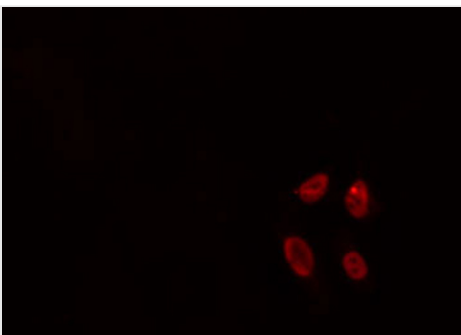
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ID4 antibody detects endogenous levels of total ID4
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	161
Applicable Applications for anti-ID4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Dog
Similarity	Pig (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using ID4 antibody.



IF (Immunofluorescence)
AAA323886 staining HepG2 cells 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) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ID4 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 (By similarity). Subunit Structure: Heterodimer with other HLH proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504573
NCBI GeneID	3400
NCBI Accession #	NP_001537.1
NCBI GenBank Nucleotide #	NM_001546.3
UniProt Accession #	P47928; Q13005
Molecular Weight	Observed: 24 kD Predicted: 17 kDa
NCBI Official Full Name	DNA-binding protein inhibitor ID-4
NCBI Official Synonym Full Names	inhibitor of DNA binding 4, HLH protein
NCBI Official Symbol	ID4
NCBI Official Synonym Symbols	IDB4; bHLHb27
NCBI Protein Information	DNA-binding protein inhibitor ID-4
UniProt Protein Name	DNA-binding protein inhibitor ID-4
UniProt Gene Name	ID4
UniProt Synonym Gene Names	BHLHB27; bHLHb27

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.