

Rabbit ID4 Polyclonal Antibody | anti-ID4 antibody

ID4 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198231	Rabbit	Dog, Human, Mouse, Pig, Rat, Zebrafish	Western Blot

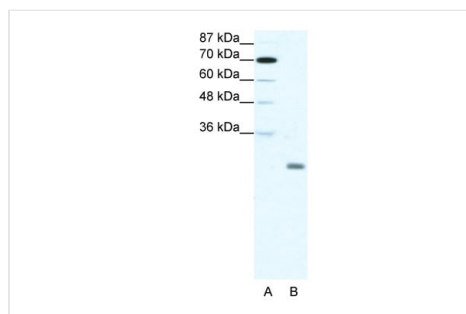
PRODUCT SYNONYMS

ID4; Polyclonal Antibody; ID4 antibody - N-terminal region; anti-ID4 antibody

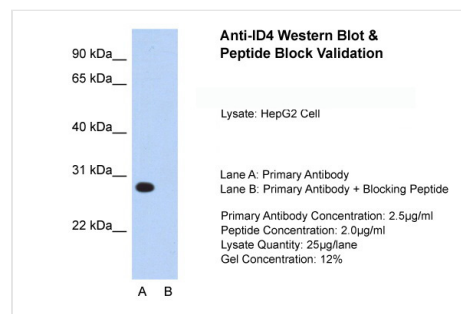
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Dog, Human, Mouse, Pig, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A 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: MK AVSPVRPSGR KAPSGCGGGE LALRCLAEHG HSLGGSAAAA AAAAAARC
Sequence Length	161
Applicable Applications for anti-ID4 antibody	WB (Western Blot)
Homology	Dog: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ID4
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-ID4 Antibody Titration: 1.25ug/mL
ELISA Titer: 1:1562500
Positive Control: HepG2 cell lysate


WB (Western Blot)

Host: Rabbit
Target Name: ID4
Sample Type: HepG2
Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide
Primary Antibody Concentration: 2.5ug/mL
Peptide Concentration: 2.0ug/mL
Lysate Quantity: 25ug/lane
Gel Concentration: 12%

ADDITIONAL INFORMATION

Related Product Information for anti-ID4 antibody	This is a rabbit polyclonal antibody against ID4. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Transcription factors containing a basic helix-loop-helix (bHLH) motif regulate expression of tissue-specific genes in a number of mammalian and insect systems. DNA-binding activity of the bHLH proteins is dependent on formation of homo- and/or heterodimers. Dominant-negative HLH proteins encoded by Id-related genes, such as ID4, also contain the HLH-dimerization domain but lack the DNA-binding basic domain. Consequently, Id proteins inhibit binding to DNA and transcriptional transactivation by heterodimerization with bHLH proteins (Pagliuca et al., 1995).[supplied by OMIM].
Product Categories/Family for anti-ID4 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Transcription Regulation; Neuroscience; DNA/RNA/Protein Interactions; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504573
NCBI GeneID	3400
NCBI Accession #	NP_001537
NCBI GenBank Nucleotide #	NM_001546
UniProt Accession #	P47928
Molecular Weight	17kDa
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
UniProt Entry Name	ID4_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.