

Rabbit ID4 Polyclonal Antibody | anti-ID4 antibody

ID4 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197334	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish	Western Blot

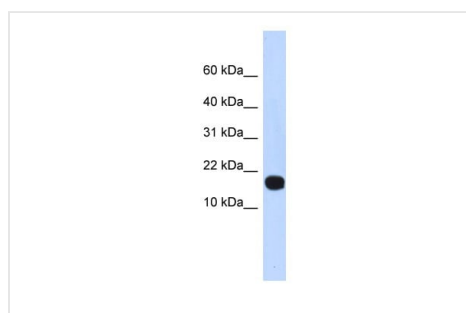
PRODUCT SYNONYMS

ID4; Polyclonal Antibody; ID4 antibody - middle region; anti-ID4 antibody

PRODUCT SPECIFICATIONS

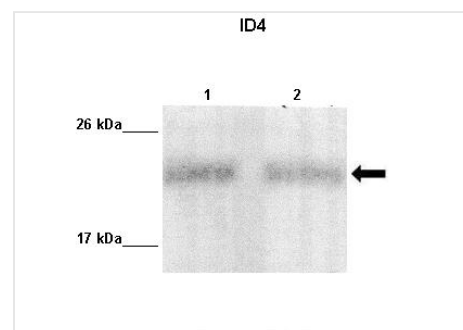
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: CY SRLRLVPTI PPNKKVSKVE ILQHVIDYIL DLQLALETHP ALLRQPPP
Sequence Length	161
Applicable Applications for anti-ID4 antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 100%; Guinea Pig: 85%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 79%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the middle 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: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: 293T cell lysate
ID4 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



WB (Western Blot)

Sample Type: MDA-MB231, MCF7
Lanes : Lane 1: 10ug MDA-MB231 lysate
Lane 2: 10ug MCF7 lysate
Primary Antibody Dilution : 1:1000
Secondary Antibody : Anti-rabbit-HRP
Secondary Antibody Dilution : 1:10,000
Gene Name : ID4
Submitted by : Maria Teresita Branham, Facultad de Ciencias-UNCuyo

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. 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 [PubMed 7665172]).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
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	16kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/id4-antibody-western-blot-elisa/197334>