Rabbit ID4 Polyclonal Antibody | anti-ID4 antibody

ID4 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288211	**Rabbit**	**Human, mouse (Predicted Reactivity: Pig)**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

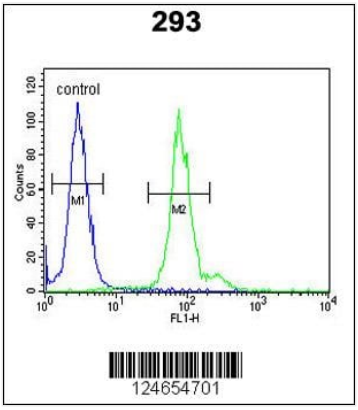
PRODUCT SYNONYMS

ID4; Polyclonal Antibody; ID4 Antibody (N-term); DNA-binding protein inhibitor ID-4; Class B basic helix-loop-helix protein 27; bHLHb27; Inhibitor of DNA binding 4; Inhibitor of differentiation 4; BHLHB27; anti-ID4 antibody

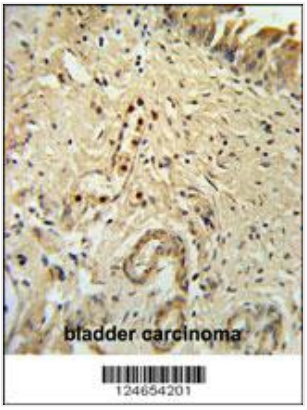
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ID4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human ID4.
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: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	161
Applicable Applications for anti-ID4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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.

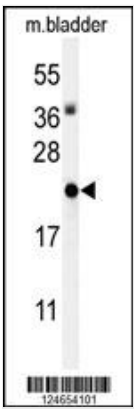
IMAGES



FCM/FACS (Flow Cytometry)
ID4 Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
ID4 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded bladder carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ID4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of ID4 Antibody (N-term) in mouse bladder tissue lysates (35ug/lane). ID4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ID4 antibody	ID4 is 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
Product Categories/Family for anti-ID4 antibody	Signal Transduction
References	Fontemaggi, G., et al. Nat. Struct. Mol. Biol. 16(10):1086-1093(2009) Uhm, K.O., et al. J. Korean Med. Sci. 24(3):493-497(2009)

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	16622
NCBI Official Full Name	DNA-binding protein inhibitor ID-4
NCBI Official Synonym Full Names	inhibitor of DNA binding 4, dominant negative helix-loop-helix 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-flow-cytometry-immunohistochemistry-western-blot-elisa/288211