

Datasheet for ABIN653935  
**anti-ID4 antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	ID4
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ID4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	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.
Clone:	RB24654
Isotype:	IgG
Predicted Reactivity:	Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ID4
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## Target Details

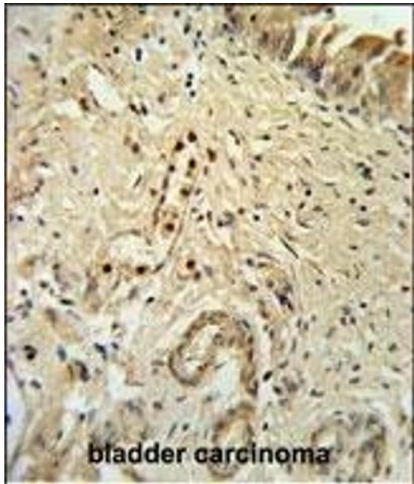
Alternative Name:	ID4 ( <a href="#">ID4 Products</a> )
Background:	ID4 is transcription factors containing a basic helix-loop-helix (bHLH) motif regulate expression of tissue-specific genes in a number of mammalian and insect systems. DNA-binding activity of the bHLH proteins is dependent on formation 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
Molecular Weight:	16622
Gene ID:	3400
NCBI Accession:	<a href="#">NP_001537</a>
UniProt:	<a href="#">P47928</a>

## Application Details

Application Notes:	FC: 1:10~50. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

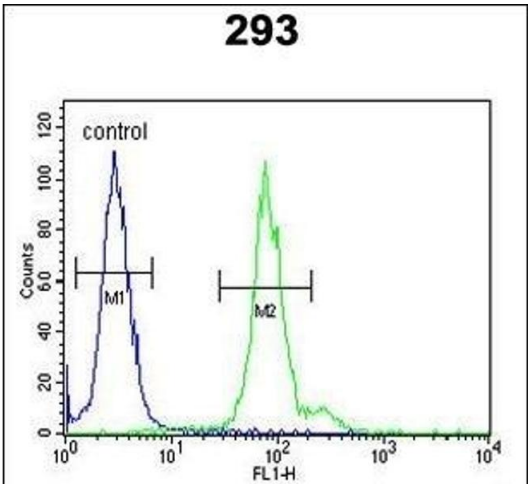
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



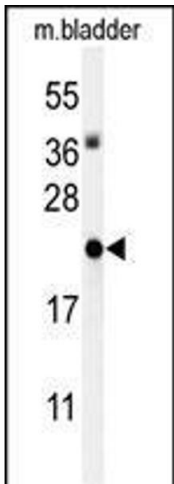
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** ID4 Antibody (N-term) (ABIN653935 and ABIN2843167) 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.



Flow Cytometry

**Image 2.** ID4 Antibody (N-term) (ABIN653935 and ABIN2843167) flow cytometric analysis of 293 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

**Image 3.** Western blot analysis of ID4 Antibody (N-term) (ABIN653935 and ABIN2843167) in mouse bladder tissue lysates (35 µg/lane). ID4 (arrow) was detected using the purified Pab.