

Datasheet for ABIN952816
anti-ID4 antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
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 (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-terminal region of Human ID4 / BHLHB27
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse ID4 / BHLHB27 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	ID4
Alternative Name:	ID4 / BHLHB27 (ID4 Products)
Background:	ID4 is transcription factors containing a basic helix-loop-helix (bHLH) motif regulate expression

Target Details

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. Synonyms: Class B basic helix-loop-helix protein 27, DNA-binding protein inhibitor ID-4, Inhibitor of DNA binding 4

Molecular Weight:	16622 Da
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Gene ID:	3400
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NCBI Accession:	NP_001537
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	0.25 mg/mL
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Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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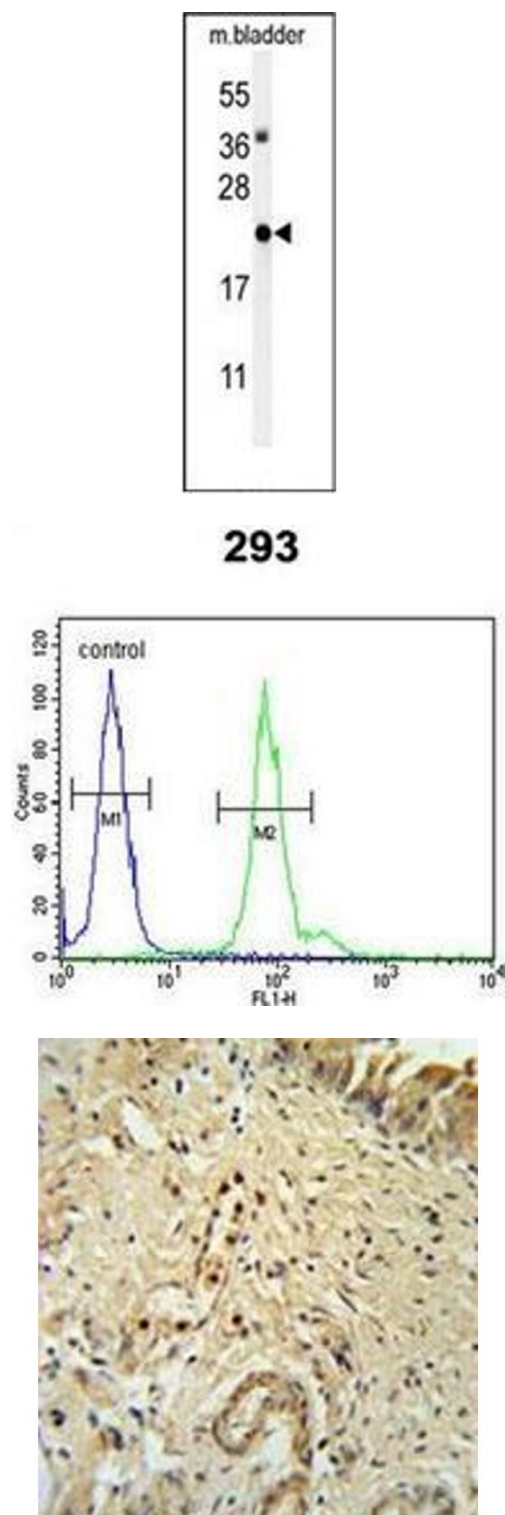
Preservative:	Sodium azide
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Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freezing and thawing.
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Storage:	4 °C/-20 °C
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Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.
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Western Blotting

Image 1. Western blot analysis of ID4 Antibody (N-term) Cat.-No AP52145PU-N in Mouse bladder tissue lysates (35ug/lane). ID4 (arrow) was detected using the purified Pab.

Flow Cytometry

Image 2. Flow cytometric analysis of 293 cells using ID4 Antibody (N-term) Cat.-No AP52145PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis in formalin fixed and paraffin embedded bladder carcinoma reated with ID4 Antibody (N-term) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining.