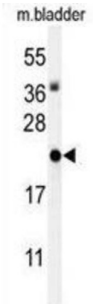
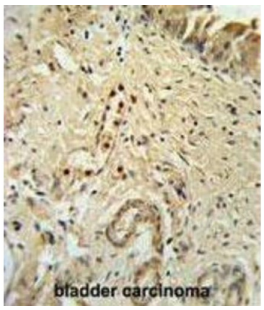
DNA-Binding Protein Inhibitor ID-4 (ID4) Antibody

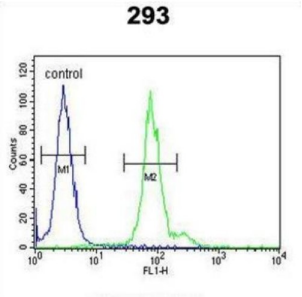
Catalogue No.:abx034601



WB analysis of Mouse bladder tissue lysate, using DNA-Binding Protein Inhibitor ID-4 (ID4) antibody (35 µg lysate/lane). ID4 protein detection is demonstrated by the arrow.



IHC-P analysis with DAB staining of bladder carcinoma, using DNA-Binding Protein Inhibitor ID-4 (ID4) antibody followed by a secondary antibody conjugated to peroxidase.



Flow cytometry analysis of 293 cells (right) compared to a negative control (left) using DNA-Binding Protein Inhibitor ID-4 (ID4) antibody and a Goat anti-Rabbit antibody conjugated to FITC.

DNA-Binding Protein Inhibitor ID-4 (ID4) Antibody is a Rabbit polyclonal antibody against DNA-Binding Protein Inhibitor ID-4 (ID4).

ID4 is a transcriptional regulator that lacks a basic DNA binding domain. It negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. It is implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation.

Target:	DNA-Binding Protein Inhibitor ID-4 (ID4)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, FCM

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Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, IHC-F: 1/100-1/500, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of Human ID4.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at 2-8°C for up to 2 weeks, or at -20°C for long term storage. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P47928 (UniProt, ExPASy)
Gene Symbol:	ID4
GeneID:	3400
KEGG:	hsa:3400
String:	9606.ENSP00000367972
Molecular Weight:	Calculated MW: 16.6 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Pig ID4.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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