

Datasheet for ABIN2461635

anti-ID4 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	ID4
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ID4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human ID4.
Purification:	Antibody is purified by protein A chromatography method.

Target Details

Target:	ID4
Alternative Name:	ID4 (ID4 Products)
Background:	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

Target Details

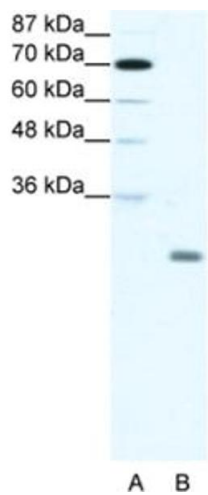
	binding to DNA and transcriptional transactivation by heterodimerization with bHLH proteins (Pagliuca et al., 1995).
Molecular Weight:	17 kDa
Gene ID:	3400
NCBI Accession:	NP_001537
UniProt:	P47928

Application Details

Application Notes:	ID4 antibody can be used for detection of ID4 by ELISA at 1:1562500. ID4 antibody can be used for detection of ID4 by western blot at 1.25 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store ID4 antibody at -20 °C.



Western Blotting

Image 1.