

Datasheet for ABIN7600164
anti-ID1 antibody (AA 16-168)



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Overview

Quantity:	100 µg
Target:	ID1
Binding Specificity:	AA 16-168
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ID1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Id1 Antibody Picoband®
Immunogen:	E.coli-derived mouse Id1 recombinant protein (Position: C16-I168).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Id1 Antibody Picoband® (ABIN7600164). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ID1
Alternative Name:	Id1 (ID1 Products)
Background:	Synonyms: T-cell acute lymphocytic leukemia protein 1, TAL-1, Class A basic helix-loop-helix protein 17, bHLHa17, Stem cell protein, T-cell leukemia/lymphoma protein 5, TAL1, BHLHA17, SCL, TCL5 Tissue Specificity: Leukemic stem cell. Background: DNA-binding protein inhibitor ID-1 is a protein that in humans is encoded by the ID1 gene. The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	25 kDa
Gene ID:	15901
UniProt:	P20067

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Ding, B.-S., Cao, Z., Lis, R., Nolan, D. J., Guo, P., Simons, M., Penfold, M. E., Shido, K., Rabbany, S. Y., Rafii, S. Divergent angiocrine signals from vascular niche balance liver regeneration and fibrosis. <i>Nature</i> 505: 97-102, 2014. 2. Ding, B.-S., Nolan, D. J., Butler, J. M., James, D., Babazadeh, A. O., Rosenwaks, Z., Mittal, V., Kobayashi, H., Shido, K., Lyden, D., Sato, T. N., Rabbany, S. Y., Rafii, S. Inductive angiocrine signals from sinusoidal endothelium are required for liver regeneration. <i>Nature</i> 468: 310-315, 2010. 3. Fraidenraich, D., Stillwell, E., Romero, E., Wilkes, D., Manova, K., Basson, C. T., Benezra, R. Rescue of cardiac defects in Id knockout embryos by injection of embryonic stem cells. <i>Science</i> 306: 247-252, 2004.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.