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Datasheet for ABIN747475
anti-Id2 antibody (AA 31-134) (Biotin)

Overview

Quantity:	100 µL
Target:	Id2
Binding Specificity:	AA 31-134
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Id2 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GIG8/ID2
Isotype:	IgG
Specificity:	Due to the similarity of this protein with ID1, this antibody has a chance to have light cross-reactivity with ID1 due to a 77 % sequence similarity in the range of our immunogen.
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Id2
Alternative Name:	ID2 (Id2 Products)
Background:	<p>Synonyms: GIG8, ID2A, ID2H, bHLHb26, DNA-binding protein inhibitor ID-2, Class B basic helix-loop-helix protein 26, Inhibitor of DNA binding 2, Inhibitor of differentiation 2, ID2</p> <p>Background: Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation. Inhibits skeletal muscle and cardiac myocyte differentiation. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer. Restricts the CLOCK and ARNTL/BMAL1 localization to the cytoplasm. Plays a role in both the input and output pathways of the circadian clock: in the input component, is involved in modulating the magnitude of photic entrainment and in the output component, contributes to the regulation of a variety of liver clock-controlled genes involved in lipid metabolism.</p>
Gene ID:	3398
UniProt:	Q02363

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months