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Id1 Antibody

Rabbit mAb
Catalog # AP90147

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	P41134
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	DNA-binding protein inhibitor ID-1; Class B basic helix-loop-helix protein 24; bHLHb24; Inhibitor of DNA binding 1; ID1; BHLHB24; ID
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	16133

Additional Information

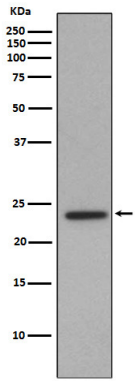
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Id1
Description	Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	ID1
Synonyms	BHLHB24, ID
Function	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-BMAL1 heterodimer (By similarity).

Cellular Location Cytoplasm. Nucleus.

Images



Western blot analysis of Id1 in HepG2 cell lysate.

Image not found : 202311/AP90147-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human kidney, using Id1 Antibody.

Image not found : 202311/AP90147-IF.jpg

Immunofluorescent analysis of Hela cells, using Id1 Antibody .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.