

ARG44846 anti-ID4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes ID4
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	ID4
Species	Human
Epitope	MKAVSPVRPS GRKAPSGCGG GELALRCLAE HGHSLGGSAA AAAAAAARC KAAEAADEP ALCLQCDMND CYSRLRRLVP TIPPNNKVKV VEILQHVIDY ILDLQLALET HPALLRQPPP PAPPHHPAGT CPAAPPRTPL TALNTDPAGA VNKQGD SILC R
Conjugation	Un-conjugated
Alternate Names	ID4; Inhibitor Of DNA Binding 4; BHLHb27; Inhibitor Of Differentiation 4; Inhibitor Of DNA Binding 4, Dominant Negative Helix-Loop-Helix Protein; Class B Basic Helix-Loop-Helix Protein 27; DNA-Binding Protein Inhibitor ID-4; Inhibitor Of DNA Binding 4, HLH Protein; BHLHB27; IDB4

Application Instructions

Application table	Application	Dilution
	IHC-P	1:100
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

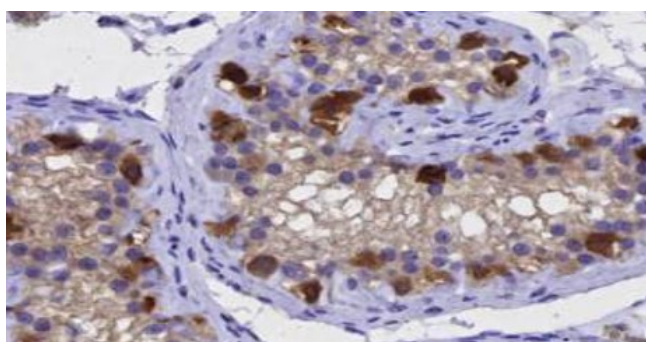
Properties

Form	Liquid
Purification	Protein A purification
Buffer	PBS with 0.09% sodium azide
Preservative	0.09% sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ID4
Gene Full Name	Inhibitor Of DNA Binding 4
Background	This gene encodes a member of the inhibitor of DNA binding (ID) protein family. The encoded protein lacks DNA binding ability, and instead regulates gene expression through binding to and inhibiting basic helix-loop-helix transcription factors. This protein has been implicated in the regulation of diverse cellular processes that play a role in development and tumorigenesis. [provided by RefSeq, Aug 2017]
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. [Uniprot]
Cellular Localization	Nucleus. [Uniprot]

Images



ARG44846 anti-ID4 antibody IHC-P image

Immunohistochemistry: Human testis stained with ARG44846 anti-ID4 antibody at 10 µg/mL dilution.