ARG58092
anti-ID3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ID3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ID3
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-119 of Human ID3 (NP_002158.3).
Conjugation	Un-conjugated
Alternate Names	DNA-binding protein inhibitor ID-3; HEIR-1; Class B basic helix-loop-helix protein 25; ID-like protein inhibitor HLH 1R21; Inhibitor of DNA binding 3; Helix-loop-helix protein HEIR-1; bHLHb25; Inhibitor of differentiation 3

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:100
IHC-P	1:50 - 1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

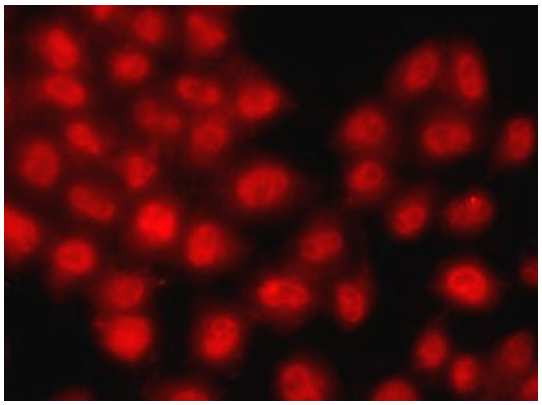
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

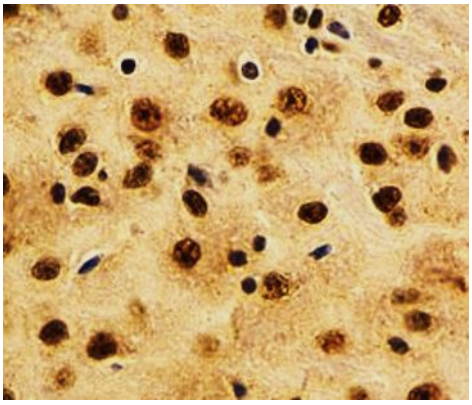
Gene Symbol	ID3
Gene Full Name	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein
Background	The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with other HLH proteins. However, the encoded protein lacks a basic DNA-binding domain and therefore inhibits the DNA binding of any HLH protein with which it interacts. [provided by RefSeq, Aug 2011]
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. Involved in myogenesis by inhibiting skeletal muscle and cardiac myocyte differentiation and promoting muscle precursor cells proliferation. Inhibits the binding of E2A-containing protein complexes to muscle creatine kinase E-box enhancer. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer. [UniProt]
Calculated Mw	13 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG58092 anti-ID3 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG58092 anti-ID3 antibody.



ARG58092 anti-ID3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain stained with ARG58092 anti-ID3 antibody at 1:200 dilution.