

RACO0541

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Homo sapiens (Human)

Isotype:

Rabbit IgG

Applications:

ELISA, WB, IF

Recommended dilutions:

WB:1:500-1:5000, IF:1:20-1:200

Protein 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 (By similarity).

Gene ID:

ID1

Uniprot

P41134

Synonyms:

DNA-binding protein inhibitor ID-1 (Class B basic helix-loop-helix protein 24) (bHLHb24) (Inhibitor of DNA binding 1) (Inhibitor of differentiation 1), ID1, BHLHB24 ID

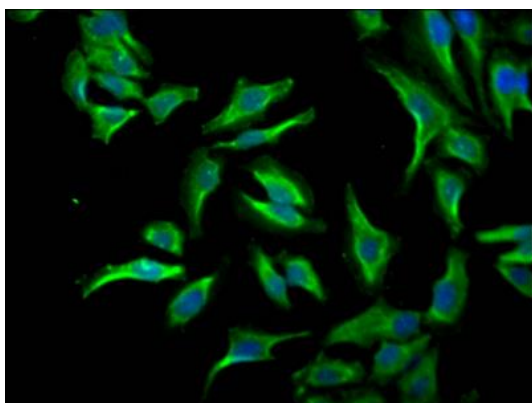
Immunogen:

A synthesized peptide derived from human Id1.

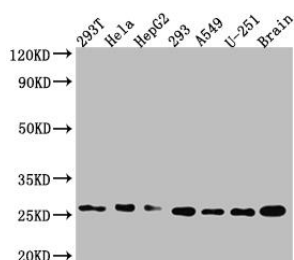
Storage:

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



Immunofluorescence staining of HeLa Cells with RACO0541 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



Western Blot

Positive WB detected in(293T whole cell lysate) HeLa whole cell lysate) HepG2 whole cell lysate) 293 whole cell lysate) A549 whole cell lysate) U-251 whole cell lysate) Mouse Brain whole cell lysate) All lanes: Id1 antibody at 1:1000

Secondary

Goat polyclonal to rabbit IgG at 1:50000 dilution

Predicted band size: 17, 16 kDa

Observed band size: 26 kDa