

A7655

Leader in Biomolecular Solutions for Life Science



CIDEA Rabbit pAb

Catalog No.: A7655

Basic Information

Observed MW

25kDa

Calculated MW

25kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Mouse, Rat

Background

This gene encodes the homolog of the mouse protein Cidea that has been shown to activate apoptosis. This activation of apoptosis is inhibited by the DNA fragmentation factor DFF45 but not by caspase inhibitors. Mice that lack functional Cidea have higher metabolic rates, higher lipolysis in brown adipose tissue and higher core body temperatures when subjected to cold. These mice are also resistant to diet-induced obesity and diabetes. This suggests that in mice this gene product plays a role in thermogenesis and lipolysis. Alternatively spliced transcripts have been identified.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID

1149

Swiss Prot

O60543

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-219 of human CIDEA (NP_001270.1).

Synonyms

CIDE-A; CIDEA

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

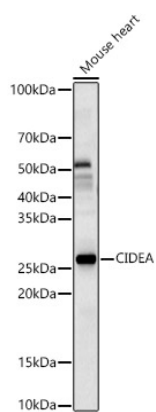
Affinity purification

Storage

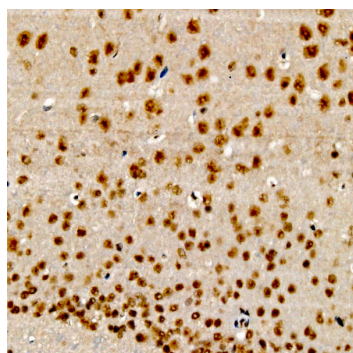
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

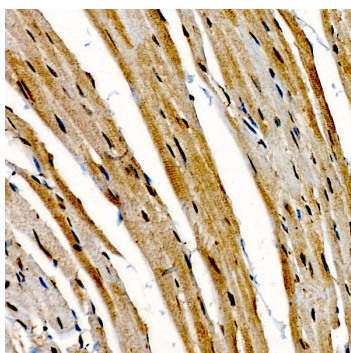
Validation Data



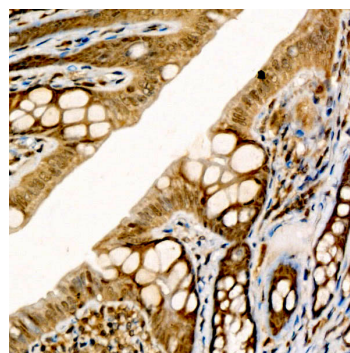
Western blot analysis of Mouse heart, using CIDEA Rabbit pAb (A7655) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Immunohistochemistry analysis of CIDEA in paraffin-embedded mouse brain tissue using CIDEA Rabbit pAb (A7655) at a dilution of 1:50 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CIDEA in paraffin-embedded mouse heart tissue using CIDEA Rabbit pAb (A7655) at a dilution of 1:50 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of CIDEA in paraffin-embedded rat colon tissue using CIDEA Rabbit pAb (A7655) at a dilution of 1:50 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.