

CIDEA rabbit monoclonal antibody

Catalog # H00001149-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CIDEA peptide using ARM Technology.
Immunogen	A synthetic peptide of human CIDEA is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CIDEA peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CIDEA

Entrez GeneID [1149](#)

GeneBank Accession# [CIDEA](#)

Gene Name CIDEA

Gene Alias CIDE-A

Gene Description cell death-inducing DFFA-like effector a

Omim ID [604440](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. Two alternative transcripts encoding different isoforms have been identified. [provided by RefSeq]

Other Designations cell death activator

Disease

- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)