

## CIDEA

**Reactivity:** Human

**Tested applications:** WB IF

**Recommended Dilution:** WB 1:500 - 1:2000 IF 1:50 - 1:100

**Calculated MW:** 25kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human CIDEA

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CIDE-A;

**Catalog #:** A7655

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 1149

**Isotype:** IgG

**Swiss Prot:** O60543

**Purity:** Affinity purification

For research use only.

**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.

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