



CIDEA Polyclonal Antibody

Catalog No	YP-Ab-05176
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	CIDEA
Immunogen	Synthesized peptide derived from human protein . at AA range: 140-220
Specificity	CIDEA Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Cell death activator CIDE-A;Cell death-inducing DFFA-like effector A;CIDE A; Lipid transferase CIDEA;CIDEA;Cell death activator CIDE-A (Cell death-inducing DFFA-like effector A)
Observed Band	24kD
Calculated Molecular Weight	24kD
Cell Pathway	Lipid droplet . Nucleus . Enriched at lipid droplet contact sites. Has been shown to localize to mitochondria, where it could interact with UCP1 and hence inhibit UCP1 uncoupling activity (By similarity). These data could not be confirmed (PubMed:18509062). .
Tissue Specificity	Expressed in omental and subcutaneous adipose tissue (at protein level).
Function	function:Activates apoptosis.,similarity:Contains 1 CIDE-N domain., subunit:Inhibited by DFFB.,
Background	cell death-inducing DFFA-like effector a(CIDEA) Homo sapiens 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. [provided by RefSeq, Aug 2010],

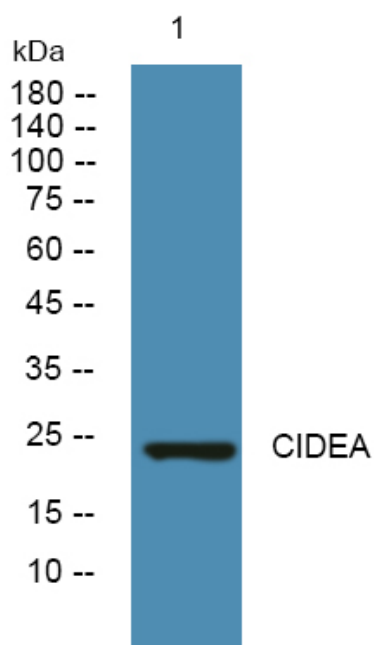
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from DU145 cells, primary antibody was diluted at 1:1000, 4° over night