CIDEA Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CIDEA, Polyclonal Antibody
Full Product Name	CIDEA (Cell Death Activator CIDE-A, Cell Death-inducing DFFA-like Effector A, CIDE-A) (MaxLight 490)
Product Gene Name	anti-CIDEA antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CIDEA.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	28,314 Da
Chromosome Location	Chromosome: 18; NC_000018.9 (12254318..12277594). Location: 18p11.21; 18
3D Structure	ModBase 3D Structure for Q8N5P9
Immunogen	Full length human CIDEA, aa1-253 (NP_938031.1).
Immunogen Sequence	MRGDRASGGPGNHNGSWAREGPRLGPSWKRGLWSPRGGPNRPAEPSRPLTFMGSQTKRVLFTPLMHPARPFRVSNHDRSSRRGVMASSLQELISKT
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-CIDEA antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-CIDEA antibody	Western Blot (WB)
Application Notes for anti-CIDEA antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CIDEA antibody	CIDEA is a 24-27kD member of the CIDE family of molecules. It is expressed in human adipocytes and striated muscle, plus mouse brown adipocytes nucleus, CIDEA apparently binds to LXR, and is capable of inducing apoptosis. CIDEA undergoes O-linked glycosylation. When glycosylated, CIDEA is CIDEB. There is one potential isoform variant that possesses a 46aa substitution for aa1-12. Over aa61-162, human CIDEA shares 89% aa identity wit

Other Notes	Small volumes of anti-CIDEA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for CIDEA purchase	MBS6373989 is an antibody targeting CIDEA. Also known as CIDEA (Cell Death Activator CIDE-A, Cell Death-inducing DFFA-like Effector A, CIDE-A)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CIDEA. It may not necessarily be applicable to this product.

NCBI GI #	38158011
NCBI GeneID	1149
NCBI Accession #	NP_938031.1
UniProt Primary Accession #	Q8N5P9
UniProt Related Accession #	O60543; Q8N5P9
GenBank Nucleotide #	NM_198289
NCBI Official Full Name	cell death activator CIDE-A isoform 2 [Homo sapiens]
NCBI Official Synonym Full Names	cell death-inducing DFFA-like effector a
NCBI Official Symbol	CIDEA
NCBI Official Synonym Symbols	CIDE-A
UniProt Protein Name	Cell death activator CIDE-A variant 2
UniProt Synonym Protein Names	Cell death activator CIDE-A variant 2
Protein Family	Cell death activator
UniProt Gene Name	CIDEA
UniProt Entry Name	Q8N5P9_HUMAN
NCBI Protein Information	cell death activator CIDE-A; OTTHUMP00000162472
NCBI Summary for CIDEA	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]
Research Articles on CIDEA	**1.** The proportion of subjects with CIDEA) gene V115F (G/T) polymorphism with phenotypes of metabolic syndrome in a Chinese population was significantly higher based on genotype, in the order: GG
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