



Datasheet for ABIN514417
anti-CIDEA antibody (AA 1-253)



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Overview

Quantity:	100 µg
Target:	CIDEA
Binding Specificity:	AA 1-253
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CIDEA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant CIDEA.
Immunogen:	CIDEA (AAH31896, 1 a.a. ~ 253 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MRGDRASGGP GNHNGSWARE GPRLGPSWKR GLWSPRGGPN RPAEPSRPLT FMGSQTKRVL FTPLMHPARP FRVSNHDRSS RRGVMASSLQ ELISKTLDAL VIATGLVTLV LEEDGTVVDT EEFFQTLGDN THFMILEKGQ KWMPGSQHVP TCSPPKRSGI ARVTFDLYRL NPKDFIGCLN VKATMYEMYS VSYDIRCTGL KGLLRSLRLF LSYSAQVTGQ FLIYLGTYML RVLDDKEERP SLRSQAKGRF TCG
Clone:	4B9
Isotype:	IgG2a
Cross-Reactivity:	Human

Product Details

Characteristics: Antibody Reactive Against Recombinant Protein.

Target Details

Target: CIDEA

Alternative Name: CIDEA ([CIDEA Products](#))

Background: Full Gene Name: cell death-inducing DFFA-like effector a
Synonyms: CIDE-A

Gene ID: 1149

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

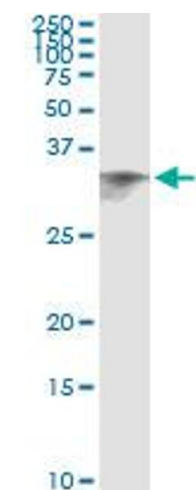
Product cited in: Wang-Johanning, Rycaj, Plummer, Li, Yin, Frerich, Garza, Shen, Lin, Yan, Glynn, Dorsey, Hunt, Ambros, Johanning: "Immunotherapeutic potential of anti-human endogenous retrovirus-K envelope protein antibodies in targeting breast tumors." in: **Journal of the National Cancer Institute**, Vol. 104, Issue 3, pp. 189-210, (2012) ([PubMed](#)).

Ito, Nagasawa, Omae, Ide, Akasaka, Murakami: "Differential regulation of CIDEA and CIDEA expression by insulin via Akt1/2- and JNK2-dependent pathways in human adipocytes." in: **Journal of lipid research**, Vol. 52, Issue 8, pp. 1450-60, (2011) ([PubMed](#)).

Ito, Nagasawa, Hara, Ide, Murakami: "Differential roles of CIDEA and CIDEA in insulin-induced anti-apoptosis and lipid droplet formation in human adipocytes." in: **Journal of lipid research**, Vol. 51, Issue 7, pp. 1676-84, (2010) ([PubMed](#)).

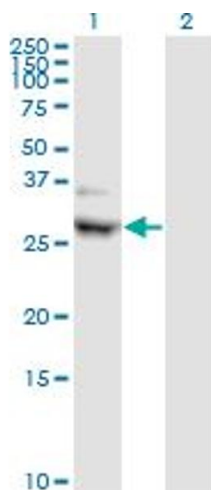
Puri, Ranjit, Konda, Nicoloro, Straubhaar, Chawla, Chouinard, Lin, Burkart, Corvera, Perugini, Czech: "Cidea is associated with lipid droplets and insulin sensitivity in humans." in:

Proceedings of the National Academy of Sciences of the United States of America, Vol. 105, Issue 22, pp. 7833-8, (2008) ([PubMed](#)).



Immunoprecipitation

Image 1. Immunoprecipitation of CIDEA transfected lysate using anti-CIDEA monoclonal antibody and Protein A Magnetic Bead , and immunoblotted with CIDEA MaxPab rabbit polyclonal antibody.

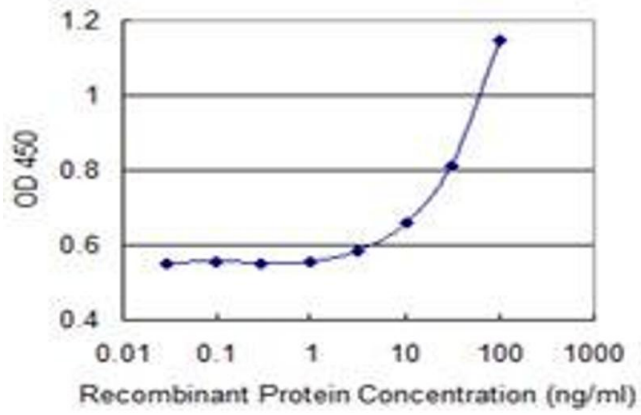


Western Blotting

Image 2. Western Blot analysis of CIDEA expression in transfected 293T cell line by CIDEA monoclonal antibody (M01), clone 4B9.

Lane 1: CIDEA transfected lysate(28.3 KDa).

Lane 2: Non-transfected lysate.



ELISA

Image 3. Detection limit for recombinant GST tagged CIDEA is 1 ng/ml as a capture antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN514417.