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# anti-CIDEC antibody (AA 101-200) (AbBy Fluor® 488)



Go to Product page

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Quantity:	100 μL
Target:	CIDEC
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CIDEC antibody is conjugated to AbBy Fluor® 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human CIDEC
laatuna	InC
Isotype:	lgG
Specificity:	Due to the similarity of this protein with CIDEA in Mouse and Rat, there is a chance that this
	antibady will react with this protein in these two appairs based an bancalogy
	antibody will react with this protein in those two species based on homology.
Cross-Reactivity:	Human, Mouse, Rat
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Predicted Reactivity:	Pig
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Purification:	Purified by Protein A.
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## **Target Details**

Target:	CIDEC	
Alternative Name:	CIDEC (CIDEC Products)	
Background:	Synonyms: CIDE3, FPLD5, FSP27, CIDE-3, Cell death activator CIDE-3, Cell death-inducing DFFA-	
	like effector protein C, Fat-specific protein FSP27 homolog, CIDEC	
	Background: Binds to lipid droplets and regulates their enlargement, thereby restricting lipolysis	
	and favoring storage. At focal contact sites between lipid droplets, promotes directional net	
	neutral lipid transfer from the smaller to larger lipid droplets. The transfer direction may be	
	driven by the internal pressure difference between the contacting lipid droplet pair. Its role in	
	neutral lipid transfer and lipid droplet enlargement is activated by the interaction with PLIN1.	
	May act as a CEBPB coactivator in the white adipose tissue to control the expression of a	
	subset of CEBPB downstream target genes, including SOCS1, SOCS3, TGFB1, TGFBR1, ID2 and	
	XDH. When overexpressed in preadipocytes, induces apoptosis or increases cell susceptibility	
	to apoptosis induced by serum deprivation or TGFB treatment. As mature adipocytes, that	
	express high CIDEC levels, are quite resistant to apoptotic stimuli, the physiological significance	
	of its role in apoptosis is unclear. May play a role in the modulation of the response to osmotic	
	stress by preventing NFAT5 to translocate into the nucleus and activate its target genes	
	expression.	
Gene ID:	63924	
UniProt:	Q96AQ7	
Application Details		
Application Notes:	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and	
	50 % Glycerol.	
Preservative:	ProClin	

## Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months