



# CIDE-3 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-16850                                                                                                                                                                                                                                                                                                     |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>       | IHC;IF;ELISA                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>          | CIDEC                                                                                                                                                                                                                                                                                                          |
| <b>Protein Name</b>       | Cell death activator CIDE-3                                                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human CIDEC. AA range:189-238                                                                                                                                                                                                              |
| <b>Specificity</b>        | CIDE-3 Polyclonal Antibody detects endogenous levels of CIDE-3 protein.                                                                                                                                                                                                                                        |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                        |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                          |
| <b>Dilution</b>           | Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.                                                                                                                                                                                  |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                           |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>           | CIDEC; FSP27; Cell death activator CIDE-3; Cell death-inducing DFFA-like effector protein C; Fat-specific protein FSP27 homolog                                                                                                                                                                                |
| <b>Observed Band</b>      |                                                                                                                                                                                                                                                                                                                |
| <b>Cell Pathway</b>       | Nucleus . Endoplasmic reticulum. Lipid droplet. Diffuses quickly on lipid droplet surface, but becomes trapped and clustered at lipid droplet contact sites, thereby enabling its rapid enrichment at lipid droplet contact sites.                                                                             |
| <b>Tissue Specificity</b> | Expressed mainly in adipose tissue, small intestine, heart, colon and stomach and, at lower levels, in brain, kidney and liver.                                                                                                                                                                                |
| <b>Function</b>           | function:Isoforms 1 and 2 induce apoptosis.,similarity:Contains 1 CIDE-N domain.,subcellular location:Cytoplasmic in a punctate manner.,tissue specificity:Expressed mainly in small intestine, heart, colon and stomach and, at lower levels, in brain, kidney and liver.,                                    |
| <b>Background</b>         | cell death inducing DFFA like effector c(CIDEc) Homo sapiens This gene encodes a member of the cell death-inducing DNA fragmentation factor-like effector family. Members of this family play important roles in apoptosis. The encoded protein promotes lipid droplet formation in adipocytes and may mediate |

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adipocyte apoptosis. This gene is regulated by insulin and its expression is positively correlated with insulin sensitivity. Mutations in this gene may contribute to insulin resistant diabetes. A pseudogene of this gene is located on the short arm of chromosome 3. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010],

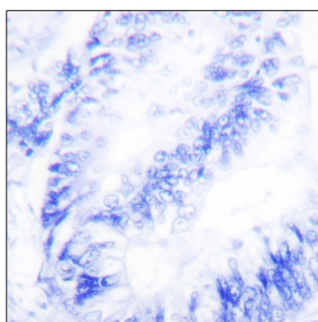
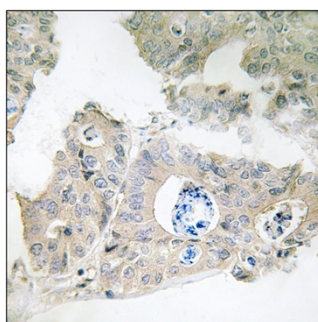
**matters needing attention**

Avoid repeated freezing and thawing!

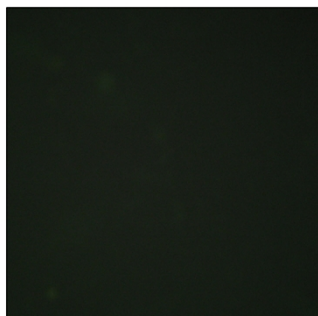
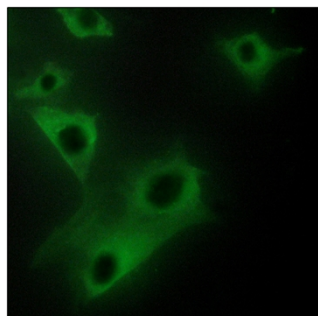
**Usage suggestions**

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

## Products Images



Immunofluorescence analysis of HeLa cells, using CIDEA Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using CIDEA Antibody. The picture on the right is blocked with the synthesized peptide.