Datasheet for ABIN5564288

# anti-C19ORF80 antibody

1 Publication

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µg |
| Target: | C19ORF80 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This C19ORF80 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB) |

## Product Details

| | |
|---|---|
| Immunogen: | Recombinant human betatrophin. |
| Specificity: | Recognizes human betatrophin. |
| Cross-Reactivity: | Human |

## Target Details

| | |
|---|---|
| Target: | C19ORF80 |
| Alternative Name: | Betatrophin (C19ORF80 Products) |
| Background: | Betatrophin (RIFL, Lipasin, Angiopoietin-like protein 8 (ANGPTL8)) is a newly discovered secreted protein of 198 aa that was proposed to promote beta cell proliferation and improve glucose tolerance in mice. Betatrophin may also function in inhibition of lipase activity and on serum triglyceride regulation. Betatrophin is expressed in the liver and in white and brown adipose tissue of mice. In humans, betatrophin is found to be predominantly expressed in the |

## Target Details

| | |
|---|---|
| | liver. Betatrophin levels are reduced by fasting and are elevated upon insulin resistance and during pregnancy. Betatrophin, according to preliminary data could bind to the macrophage receptor Marco and also to RTN4R, a neuronal receptor. Recently, a study using ANGPTL8 KO mice showed that ANGPTL8/Betatrophin does not play a role in beta cell proliferation nor in glycemic control as previously thought, but regulates plasma triglyceride levels. |

## Application Details

| | |
|---|---|
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | In PBS containing 10 % glycerol and 0.02 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Short Term Storage: +4°C<br>Long Term Storage: -20°C<br>Stable for at least 1 year after receipt when stored at -20°C. |
| Expiry Date: | 12 months |

## Publications

| | |
|---|---|
| Product cited in: | Sun, Liu, Li, Tang, Zou, Chen, Zheng, Jiang, Shi: "Transplantation of betatrophin-expressing adipose-derived mesenchymal stem cells induces β-cell proliferation in diabetic mice." in: **International journal of molecular medicine**, Vol. 39, Issue 4, pp. 936-948, (2017) (PubMed). |

Copyright antibodies-online. All rights reserved.