

Datasheet for ABIN6657606

## anti-GSTK1 antibody



[Go to Product page](#)

1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	GSTK1
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

### Product Details

Purpose:	DsbA-L Antibody
Immunogen:	Anti-DsbA-L Antibody was produced in rabbit by repeated immunizations with full length recombinant mouse DsbA-L protein
Isotype:	IgG
Cross-Reactivity (Details):	Anti-DsbA-L antibody is directed against DsbA-L.
Purification:	Anti-DsbA-L antibody is neat antiserum prepared from monospecific antiserum by delipidation and defibrination.

### Target Details

Target:	GSTK1
Alternative Name:	DsbA-L ( <a href="#">GSTK1 Products</a> )

## Target Details

Background:	<p>Synonyms: Glutathione S-transferase kappa 1, GST 13-13, GST class-kappa, GSTK1-1, Glutathione S-transferase subunit 13, Disulfide-bond-A oxidoreductase-like protein, DsbA-L</p> <p>Background: DsbA-L Antibody detects Disulfide-bond-A oxidoreductase-like protein (DsbA-L, previously named as GST Kappa) which is an adiponectin-interacting protein. DsbA-L is highly expressed in adipose tissue, and its expression level is negatively correlated with obesity in mice and humans. DsbA-L expression in 3T3-L1 adipocytes is stimulated by the insulin sensitizer rosiglitazone and inhibited by the inflammatory cytokine TNFalpha. Polymorphism of DsbA-L gene has recently been implicated in insulin secretion and body fat distribution. Overexpression of DsbA-L promotes adiponectin multimerization while suppressing DsbA-L expression by RNAi markedly and selectively reduces adiponectin levels and secretion in 3T3-L1 adipocytes. Recent studies identify DsbA-L as a key regulator for adiponectin biosynthesis. Anti-DsbA-L Antibody is ideal for investigators involved in Cell Signaling and Cell Metabolism.</p> <p>Gene Name: Gstk1</p>
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Gene ID:	76263
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NCBI Accession:	<a href="#">NP_083831</a>
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UniProt:	<a href="#">Q9DCM2</a>
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## Application Details

Application Notes:	<p>ELISA_Dilution: 1:20,000</p> <p>Immunohistochemistry_Dilution: 1:200</p> <p>Western_Blot_Dilution: 1:2000</p>
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Comment:	<p>Anti-DsbA-L Antibody has been tested by western blot and IHC and is suitable for usage in ELISA. Specific conditions for reactivity should be optimized by the end user. It is suggested that you add 1% BSA to the antibody dilution buffer. Anti-DsbA-L is specific for the ~25 kDa DsbA-L protein in Western blots of 3T3-L1 adipocytes and mouse white and brown adipose tissue lysate samples.</p>
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	Optional[Buffer]: 40 % (v/v) Glycerol
Storage:	4 °C, -20 °C

Handling

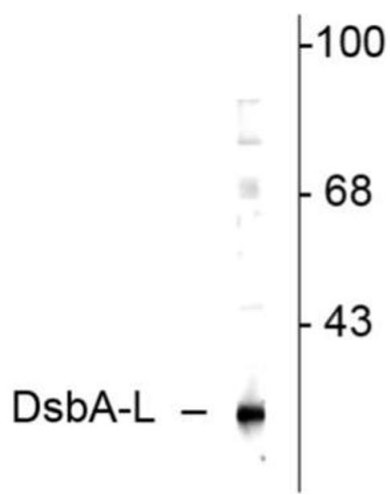
Storage Comment: Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiry Date: 12 months

Publications

Product cited in: Yagi, Toyoshima, Tokita, Taguchi, Okamoto, Takahashi, Kato, Minami: "Low-protein diet enhances adiponectin secretion in rats." in: **Bioscience, biotechnology, and biochemistry**, Vol. 83, Issue 9, pp. 1774-1781, (2019) ([PubMed](#)).

Images



Western Blotting

**Image 1.** Western Blot of Anti-DsbA-L Antibody Western Blot of Rabbit Anti-DsbA-L Antibody. Lane 1: mouse adipose tissue. Lane 2: none. Load: 10 µg per lane. Primary antibody: DsbA-L antibody at 1:1000 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~25 kDa, ~25 kDa for DsbA-L protein. Other band(s): none.