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Datasheet for 100-401-D29

DsbA-L Antibody

Overview

Description:	Anti-DsbA-L (Disulfide-bond-A oxidoreductase-like protein) (RABBIT) Antibody - 100-401-D29
Item No.:	100-401-D29
Size:	100 µL
Applications:	IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

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.
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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	Gstk1
Reactivity:	Human, Mouse
Immunogen Type:	Recombinant Protein

Immunogen:	Anti-DsbA-L Antibody was produced in rabbit by repeated immunizations with full length recombinant mouse DsbA-L protein
Purity/Specificity:	Anti-DsbA-L antibody is directed against DsbA-L. Anti-DsbA-L antibody is neat antiserum prepared from monospecific antiserum by delipidation and defibrination. Reactivity against DsbA-L occurs from mouse and human sources. Reactivity against DsbA-L from other sources is unknown.
Relevant Links:	• UniProtKB - Q9DCM2 • NCBI - NP_083831.1 • GeneID - 76263

Application Details

Tested Applications:	IHC, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000
IHC:	1:200
WB:	1:2000

Formulation

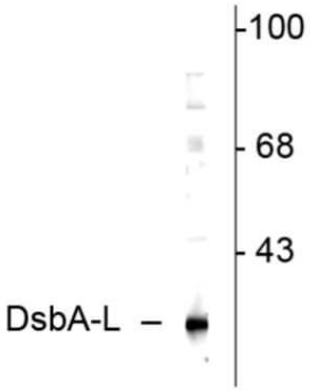
Physical State:	Liquid
Concentration:	Titrated value sufficient to run approximately 10 mini blots.
Stabilizer:	40% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
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: IRDye800™ 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.

References

- Yagi T et al. Low-protein diet enhances adiponectin secretion in rats. *Biosci Biotechnol Biochem.* (2019)

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