

DsbA-L Antibody
Rabbit polyclonal antibody
Catalog # AN1188**Specification**

DsbA-L Antibody - Product Information

Application	WB
Primary Accession	Q9DCM2
Host	Rabbit
Clonality	polyclonal
Calculated MW	25 KDa

DsbA-L Antibody - Additional Information**Target/Specificity**

Full length recombinant mouse DsbA-L protein.

Dilution

WB~~ 1:2000

Format

serum

Antibody Specificity

Specific for the ~25 kDa DsbA-L protein in Western blots of 3T3-L1 adipocytes and mouse white and brown adipose tissue lysate samples. It is suggested that you add 1% BSA to the antibody dilution buffer.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DsbA-L Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

Blue Ice

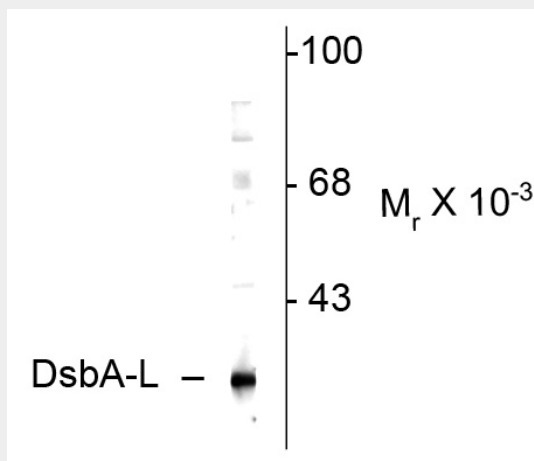
DsbA-L Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

DsbA-L Antibody - Images



Western blot of mouse adipose tissue showing specific immunolabeling of the ~ 25k DsbA-L protein.

DsbA-L Antibody - Background

Disulfide-bond-A oxidoreductase-like protein (DsbA-L, previously named as GST Kappa) 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 TNF α . Polymorphism of DsbA-L gene has recently been implicated in insulin secretion and body fat distribution (Gao F et al., 2009). 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 (Liu et al., 2008).

DsbA-L Antibody - References

Polymorphism of DsbA-L gene associates with insulin secretion and body fat distribution in Chinese population. (2009) Gao F, Fang Q, Zhang R, Lu J, Lu H, Wang C, Ma X, Xu J, Jia W, Xiang K. *Endocr J.* Jun;56(3):487-94.

Liu et al, (2008) A disulfide-bond A oxidoreductase-like protein (DsbA-L) regulates adiponectin multimerization. *Proc Natl Acad Sci USA*, 105, 18302-18307.

Wang A, Liu M, Liu X, Dong LQ, Glickman RD, Slaga TJ, Zhou Z, Liu F (2011) Up-regulation of Adiponectin by Resveratrol: THE ESSENTIAL ROLES OF THE Akt/FOXO1 AND AMPACTIVATED PROTEIN KINASE SIGNALING PATHWAYS AND DsbA-L. *J Biol Chem.* Jan 7;286(1):60-6.