Anti-DsbA-L Antibody

Catalog #: 465-DsbA-L Size: 100 µl

Cite this Antibody: PhosphoSolutions Cat# 465-DsbA-L, RRID:AB_2492080

<table>
<thead>
<tr>
<th>Host</th>
<th>Applications</th>
<th>Species Tested</th>
<th>Species Reactivity*</th>
<th>Molecular Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rabbit</td>
<td>WB 1:2000</td>
<td>H, M</td>
<td>~25 kDa</td>
<td></td>
</tr>
<tr>
<td>IHC 1:200</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product Description: Rabbit polyclonal antibody.

Biological Significance: 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 TNFalpha. 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).

Antigen: Full length recombinant mouse DsbA-L protein.

Antibody Specificity: Specific for endogenous levels of the ~25 kDa DsbA-L protein. It is suggested that you add 1% BSA to the antibody dilution buffer.

Purification Method: Serum.

Quality Control Tests: Western blots performed on each lot.

Packaging: Serum in 40% glycerol.

Storage and Stability: Shipped on blue ice. Recommended that the antibody be aliquoted into smaller working volumes (10-30 µL/vial depending on usage) upon arrival and stored long term at -20°C or -80°C, while keeping a working aliquot stored at 4°C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.

Western blot of mouse adipose tissue lysate showing specific immunolabeling of the ~25 kDa DsbA-L protein.
Product Specific References:


General References: