

# DsbA-Tag Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52698

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P0AEG4</a>
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	Purified recombinant E.coli. DsbA protein fragments over expressed in E.coli.
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	23105

## Additional Information

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<b>Gene ID</b>	93778077;948353
<b>Other Names</b>	DSBA like thioredoxin domain containing protein.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	dsbA
<b>Synonyms</b>	dsf, ppfA
<b>Function</b>	Required for disulfide bond formation in some periplasmic proteins such as PhoA or OmpA. Acts by transferring its disulfide bond to other proteins and is reduced in the process. DsbA is reoxidized by DsbB. Required for pilus biogenesis. PhoP-regulated transcription is redox-sensitive, being activated when the periplasm becomes more reducing (deletion of dsbA/dsbB, treatment with dithiothreitol). MgrB acts between DsbA/DsbB and PhoP/PhoQ in this pathway.
<b>Cellular Location</b>	Periplasm.

## Background

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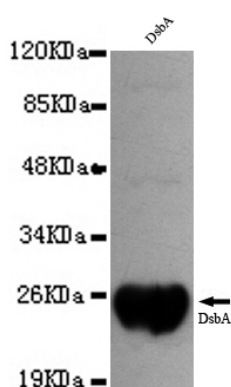
## References

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Bardwell J.C.A., et al. *Cell* 67:581-589(1991).  
Kamitani S., et al. *EMBO J.* 11:57-62(1992).  
Plunkett G. III, et al. *Nucleic Acids Res.* 21:3391-3398(1993).  
Blattner F.R., et al. *Science* 277:1453-1462(1997).  
Hayashi K., et al. *Mol. Syst. Biol.* 2:E1-E5(2006).

## Images

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Western blot detection of DsbA with DsbA recombinant protein using DsbA mouse mAb (1:1000 diluted). Predicted band size: 24KDa. Observed band size: 24KDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.