

DsbA-Tag Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52698

Product Information

Application	WB
Primary Accession	P0AEG4
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Conjugate	Unconjugated
Immunogen	Purified recombinant E.coli. DsbA protein fragments over expressed in E.coli.
Purification	Affinity Purified
Calculated MW	23105

Additional Information

Gene ID	86948491;93778077;948353
Other Names	DSBA like thioredoxin domain containing protein.
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	dsbA
Synonyms	dsf, ppfA
Function	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.
Cellular Location	Periplasm.

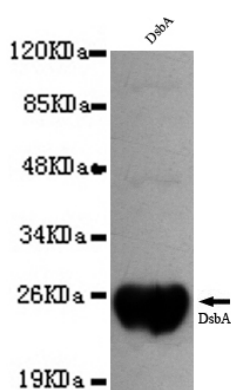
Background

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References

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



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

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