

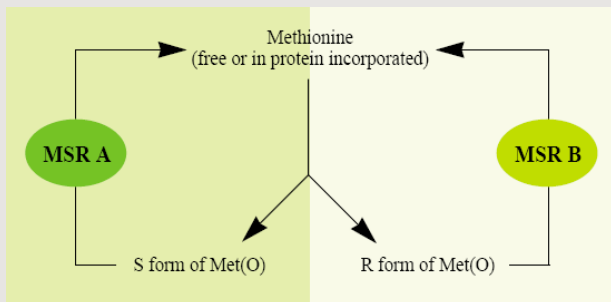
Catalog No. LF-PA0031

POLYCLONAL ANTIBODY



Anti-Methionine Sulfoxide Reductase A

Background : Methionine sulfoxide reductase (MsrA) reduces methionine sulfoxide (MetO) residues in proteins and free MetO to Methionine (Met). The catalytic activity of MsrA is dependent of bound metal and cofactors but it requires reducing equivalents from either DTT or a thioredoxin-regenerating system. MsrA plays an essential role in protecting cells against oxidative damage. The substrates of MsrA include calmodulin, HIV protease and α 1-proteinase-inhibitor (1-3). Recent studies indicate that there is a connection between MsrA and Alzheimer's disease in mammals (4).



Immunogen : Recombinant human protein purified from *E.coli*

Host : Rabbit

Size : 100 μ l

Composition : PBS containing 50% glycerol

Positive control : Mouse Kidney Extract

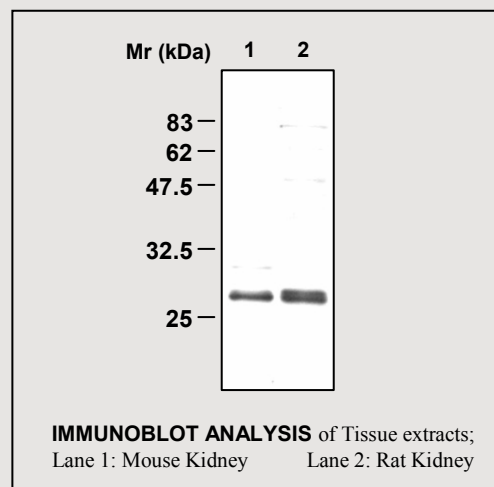
Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

Human
NT

Mouse
+

Rat
+



Application :

Western Blotting (1:2000)

Immunoprecipitation was not tested

Background Reference :

- 1) Sun, H. et al. (1999) Biochemistry. 38, 105-112.
- 2) Davis, D. A. et al. (2000) Biochem. J. 346, 305-311.
- 3) Abrams, W. R. et al. (1981) Proc. Natl. Acad. Sci. U. S. A. 78, 7483-7486.
- 4) Gabbita, S. P. et al. (1999) J. Neurochem. 73, 1660-1666.