

Datasheet

MSRA polyclonal antibody

[provided by RefSeq]

Catalog Number: PAB1201**Regulation Status:** For research use only (RUO)**Product Description:** Rabbit polyclonal antibody raised against full length recombinant MSRA.**Immunogen:** Recombinant protein corresponding to full length human MSRA.**Host:** Rabbit**Reactivity:** Human**Applications:** WB-Ti

(See our web site product page for detailed applications information)

Protocols: See our web site at<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols**Form:** Liquid**Recommend Usage:** Western Blot (1:1800)

The optimal working dilution should be determined by the end user.

Storage Buffer: In HEPES, 150 mM NaCl (50% glycerol, 0.01% BSA, 0.03% sodium azide)**Storage Instruction:** Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4482**Gene Symbol:** MSRA**Gene Alias:** -**Gene Summary:** This protein is ubiquitous and highly conserved. It carries out the enzymatic reduction of methionine sulfoxide to methionine. Human and animal studies have shown the highest levels of expression in kidney and nervous tissue. Its proposed function is the repair of oxidative damage to proteins to restore biological activity. Three transcript variants encoding different isoforms have been found for this gene.**References:**

1. HIV-2 protease is inactivated after oxidation at the dimer interface and activity can be partly restored with methionine sulfoxide reductase. Davis DA, Newcomb FM, Moskovitz J, Wingfield PT, Stahl SJ, Kaufman J, Fales HM, Levine RL, Yarchoan R. Biochem J. 2000 Mar 1;346 Pt 2:305-11.
2. Decrease in peptide methionine sulfoxide reductase in Alzheimer's disease brain. Gabbita SP, Aksenov MY, Lovell MA, Markesbery WR. J Neurochem. 1999 Oct;73(4):1660-6.
3. Repair of oxidized calmodulin by methionine sulfoxide reductase restores ability to activate the plasma membrane Ca-ATPase. Sun H, Gao J, Ferrington DA, Biesiada H, Williams TD, Squier TC. Biochemistry. 1999 Jan 5;38(1):105-12.