

hMSRA antibody
anti human Methionine Sulfoxide Reductase A
Rabbit, Polyclonal

Cat. No.	Amount
orb97724	100 µl

For *in vitro* use only

Quality guaranteed for 12 months

Store at -20°C

Avoid freeze / thaw cycles

Form

Liquid. Supplied as serum, preserved in glycerol (50% saturation)

Application

Anti-human MsrA can be used for Western blot, ELISA and Immunocytochemistry.

Description

Anti-human-MSRA (Methionine sulfoxide reductase, EC1.8.4.6) is a rabbit polyclonal antibody that was produced against the recombinant human MsrA. MSRA carries out the enzymatic reduction of methionine-S-sulfoxide (MetSO) to methionine in thioresoxin-dependent manner. 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. The two known splice variants of the mammalian protein are located in mitochondria and the cytosol, respectively. In addition is revealed a MSRA-immunoreactivity into the nuclei of endo-and-myometrium cells of the human uterus.

Specificity

Antibody specificity was evaluated by indirect immunofluorescence and western blotting. 50µg protein of the human oral mucosa; only one band is visualized: the 26 kDa protein MsrA. Western blots of human tissue show never a crossreactivity to other proteins but the anti-human MSRA visualized the MSRA of other mammalian. Anti-MSRA is without crossreactivity to the other MSRs (MSRB1, MSRB2 and MSRB3).



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