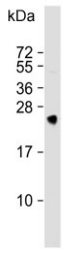
MSRA Antibody (F54441)

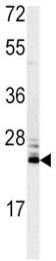
Catalog No.	Formulation	Size
F54441-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54441-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

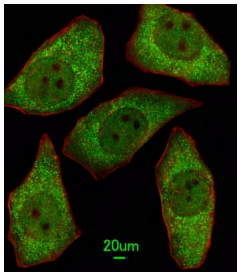
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	Q9UJ68
Localization	Nuclear, cytoplasmic
Applications	Immunofluorescence : 1:50-1:100 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This MSRA antibody is available for research use only.



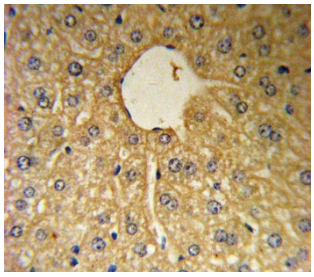
Western blot testing of human kidney lysate with MSRA antibody. Predicted molecular weight ~26 kDa.



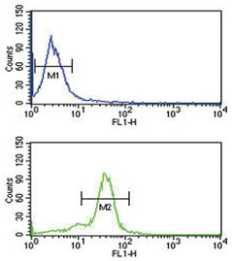
Western blot testing of mouse kidney lysate with MSRA antibody. Predicted molecular weight ~26 kDa.



Immunofluorescent staining of human A549 cells with MSRA antibody (green) and anti-Actin (red).



IHC testing of FFPE human hepatocarcinoma tissue with MSRA antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human MDA-MB-435 cells with MSRA antibody; Blue=isotype control, Green= MSRA antibody.

Description

Mitochondrial peptide methionine sulfoxide reductase is ubiquitous and highly conserved. This protein 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. The protein's proposed function is the repair of oxidative damage to proteins to restore biological activity.

Application Notes

The stated application concentrations are suggested starting points. Titration of the MSRA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 34-63 from the human protein was used as the immunogen for the MSRA antibody.

Storage

Aliquot the MSRA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.