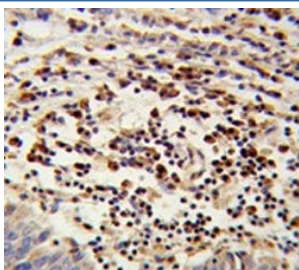


## Mitochondrial amidoxime reducing component 2 Antibody / mARC2 / MTARC2 (F54991)

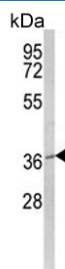
Catalog No.	Formulation	Size
F54991-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54991-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

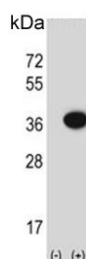
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	Q969Z3
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1:500-1:1000 Flow Cytometry : 1:10-1:50 (1x10 <sup>6</sup> cells) Immunohistochemistry (FFPE) : 1:50-1:100
<b>Limitations</b>	This Mitochondrial amidoxime reducing component 2 antibody is available for research use only.



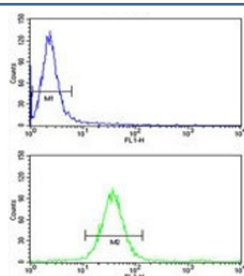
IHC testing of FFPE human lung carcinoma tissue with Mitochondrial amidoxime reducing component 2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human HeLa cell lysate with Mitochondrial amidoxime reducing component 2 antibody. Predicted molecular weight ~38 kDa.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with Mitochondrial amidoxime reducing component 2 antibody.



Flow cytometry testing of human HeLa cells with Mitochondrial amidoxime reducing component 2 antibody; Blue=isotype control, Green= Mitochondrial amidoxime reducing component 2 antibody.

## Description

Catalytic component of the benzamidoxime prodrug-converting complex, a complex required to reduce N-hydroxylated structures, such as benzamidoxime prodrug. Benzamidoxime is an amidine prodrug produced by N-hydroxylation which is used to enhance bioavailability and increase intestinal absorption. It is then reduced into benzamidine, its active amidine, by the benzamidoxime prodrug-converting complex.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Mitochondrial amidoxime reducing component 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 270-300 from the human protein was used as the immunogen for the Mitochondrial amidoxime reducing component 2 antibody.

## Storage

Aliquot the Mitochondrial amidoxime reducing component 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

