abcam

ab50793

Anti-MetRS/MARS antibody [MARSD10B4]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: 1% BSA, 0.1312% Sodium phosphate, 0.03% Tripotassium orthophosphate
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human MARS1 aa 50-200. The exact immunogen used to generate this antibody is proprietary information. Database link P56192
Clone number	MARSD10B4
Purification technique	Affinity purification Protein G
Concentration	0.1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Ab50793 was filtered through an 0.22 µm membrane.

Reactivity data

IP

Tested

Species	Human
Dilution info	5 µg/mg of lysate
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/10
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/100
Notes	-

Species	Rat
Dilution info	1/100
Notes	-

Species	Human
Dilution info	1/100
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/10
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information MARS1

Function	Catalyzes the specific attachment of an amino acid to its cognate tRNA in a 2 step reaction: the amino acid (AA) is first activated by ATP to form AA-AMP and then transferred to the acceptor end of the tRNA (PubMed:11714285). Plays a role in the synthesis of ribosomal RNA in the nucleolus (PubMed:10791971).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

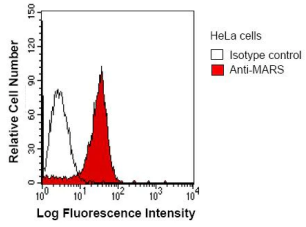
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

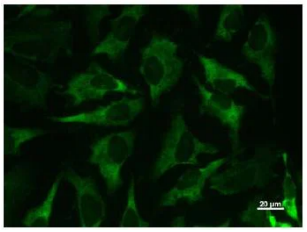
6 product images



Flow Cytometry - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

MetRS/MARS Flow Cytometry staining using mouse Anti-MetRS/MARS antibody

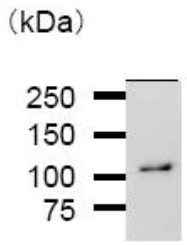
ab50793, at a dilution of 1/10, staining MetRS/MARS in Hela cells by Flow Cytometry. AlexaFluor®488 Goat anti-mouse IgG was used as the secondary antibody at a dilution of 1/400.



Immunocytochemistry/ Immunofluorescence - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

MetRS/MARS Immunocytochemistry/ Immunofluorescence staining using mouse Anti-MetRS/MARS antibody

ab50793, at a dilution of 1/10, staining MetRS/MARS in Hela cell by Immunocytochemistry/Immunofluorescence. AlexaFluor®488 Goat anti-mouse IgG was used as the secondary antibody at a dilution of 1/200.



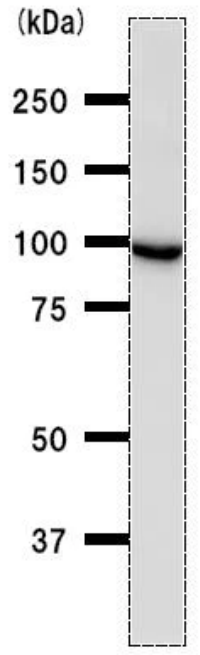
Immunoprecipitation - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

Immunoprecipitation from 200ug RIPA lysate of HeLa cells using 5ug of ab50793. Visualized by Western Blot using ab50793 at 1/100 dilution, anti-mouse IgG secondary 1/1000 and ECL detection.
All lanes:
Immunoprecipitation - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 5 µg

All lanes:
RIPA lysate of HeLa cells at 200 µg

Predicted band size: 101 kDa

Observed band size: 110 kDa



Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

All lanes:
Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 1/100 dilution

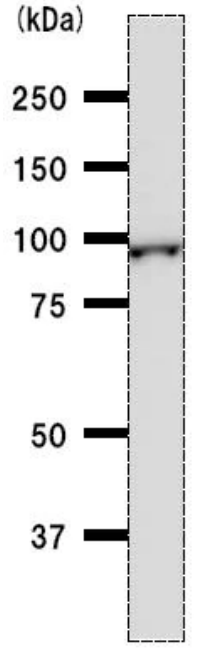
All lanes:
HeLa whole cell lysate at 50 µg

Secondary

All lanes:
Mouse IgG antibody at 1/2500 dilution

Predicted band size: 101 kDa

Observed band size: 98 kDa



Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

All lanes:
Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 1/100 dilution

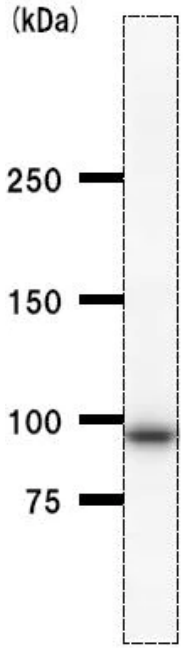
All lanes:
NIH3T3 whole cell lysate at 50 µg

Secondary

All lanes:
Mouse IgG antibody at 1/2500 dilution

Predicted band size: 101 kDa

Observed band size: 98 kDa



Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793)

All lanes:
Western blot - Anti-MetRS/MARS antibody [MARSD10B4] (ab50793) at 1/100 dilution

All lanes:
F2408 whole cell lysate at 50 µg

Secondary

All lanes:
Mouse IgG antibody

Predicted band size: 101 kDa

Observed band size: 98 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.