

## ARG44121 anti-MECR antibody

Package: 50 μg Store at: -20°C

# Summary

Product Description	Rabbit Polyclonal recognizes MECR
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	lgG
Target Name	MECR
Species	Human
Immunogen	Human MECR recombinant protein (Position: E39-A359).
Conjugation	Un-conjugated
Alternate Names	MECR; Mitochondrial Trans-2-Enoyl-CoA Reductase; CGI-63; FASN2B; NRBF1; ETR1; Enoyl-[Acyl-Carrier- Protein] Reductase, Mitochondrial; Mitochondrial 2-Enoyl Thioester Reductase; Nuclear Receptor Binding Factor 1; 2-Enoyl Thioester Reductase; Homolog Of Yeast 2-Enoyl Thioester Reductase; Trans-2-Enoyl-CoA Reductase, Mitochondrial; Nuclear Receptor-Binding Factor 1; EC 1.3.1.104; EC 1.3.1.38; HsNrbf-1; DYTOABG; NRBF-1; NBRF1

## **Application Instructions**

Application table	Application	Dilution
	FACS	1 - 3 μg/10^6 cells
	IHC-P	1 - 2 μg/ml
	WB	0.25-0.5 μg/ml
Application Note	The dilutions indicate recommen should be determined by the scie	ded starting dilutions and the optimal dilutions or concentrations on the startist.

# Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Note

Gene Symbol	MECR
Gene Full Name	Mitochondrial Trans-2-Enoyl-CoA Reductase
Background	The protein encoded by this gene is an oxidoreductase that catalyzes the last step in mitochondrial fatty acid synthesis. Defects in this gene are a cause of childhood-onset dystonia and optic atrophy.
Function	Catalyzes the NADPH-dependent reduction of trans-2-enoyl thioesters in mitochondrial fatty acid synthesis (fatty acid synthesis type II). Fatty acid chain elongation in mitochondria uses acyl carrier protein (ACP) as an acyl group carrier, but the enzyme accepts both ACP and CoA thioesters as substrates in vitro. Displays a preference for medium-chain over short- and long-chain substrates.
Calculated Mw	40 kDa
PTM	Acetylation
Cellular Localization	Cytoplasm, Mitochondrion, Nucleus

## Images



#### ARG44121 anti-MECR antibody IHC-P image

Immunohistochemistry: Human parotid acinar cell carcinoma stained with ARG44121 anti-MECR antibody at 2  $\mu g/ml$  dilution.



### ARG44121 anti-MECR antibody WB image

Western blot: HEL and 293T stained with ARG44121 anti-MECR antibody at 0.5  $\mu g/ml$  dilution.



### ARG44121 anti-MECR antibody FACS image

Flow Cytometry: 293T stained with ARG44121 anti-MECR antibody at 1  $\mu g/10^{4}$  cells dilution.



### ARG44121 anti-MECR antibody WB image

Western blot: Rat stomach and Rat heart stained with ARG44121 anti-MECR antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



### ARG44121 anti-MECR antibody WB image

Western blot: Mouse stomach stained with ARG44121 anti-MECR antibody at 0.5  $\mu g/ml$  dilution.