

## ARG52341 anti-Mitochondria antibody [113-1]

Package: 100 µl, 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [113-1] recognizes Mitochondria
Tested Reactivity	Hu
Species Does Not React With	Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	113-1
Isotype	IgG1
Target Name	Mitochondria
Species	Human
Immunogen	Human cell homogenate
Conjugation	Un-conjugated

### Application Instructions

Application table	Application	Dilution
	FACS	1:100
	ICC/IF	1:800
	IHC-P	1:800
	WB	1:1000

**Application Note** Specific for human mitochondria in all cell types. The antibody works on acetone fixed and 2% paraformaldehyde fixed cells. The antibody also works for immunohistochemistry on 2% paraformaldehyde fixed (5-10 minutes) cryostat sections.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Total IgG fraction
Buffer	Total IgG fraction
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.

Note

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

## Bioinformation

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### Background

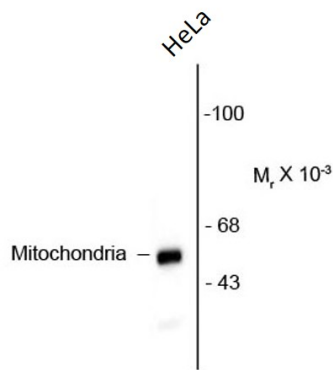
Mitochondria are most commonly known as the power plants of the cell as they produce ATP, but they are also involved in many other important cellular processes such as cell signaling, growth and differentiation (McBride et al., 2006). In addition, mitochondria have been shown to play a role in apoptosis (Green 1998). This antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells.

### Research Area

Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody

## Images

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### ARG52341 anti-Mitochondria antibody [113-1] WB image

Western blot: HeLa cell lysate showing specific immunolabeling of the ~60 kDa mitochondrial protein stained with ARG52341 anti-Mitochondria antibody [113-1].