

ARC Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50583**Specification**

ARC Antibody - Product Information

Application	WB, IHC
Primary Accession	O60936
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24, 23, 29 KDa
Antigen Region	175-208

ARC Antibody - Additional Information**Gene ID** 8996**Other Names**

Nucleolar protein 3, Apoptosis repressor with CARD, Muscle-enriched cytoplasmic protein, Myp, Nucleolar protein of 30 kDa, Nop30, NOL3, ARC, NOP

Dilution

WB~~ 1:1000

IHC~~1:50-1:100

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

ARC Antibody - Protein Information**Name** NOL3 ([HGNC:7869](#))**Function**

[Isoform 1]: May be involved in RNA splicing.

Cellular Location

[Isoform 1]: Nucleus, nucleolus. Note=The SR-rich C-terminus mediates nuclear localization.

[Isoform 2]: Cytoplasm. Mitochondrion {ECO:0000250|UniProtKB:Q62881}. Sarcoplasmic reticulum {ECO:0000250|UniProtKB:Q62881}. Membrane; Lipid-anchor. Note=Phosphorylation at Thr-149 results in translocation to mitochondria. Colocalized with mitochondria in response to oxidative stress. {ECO:0000250|UniProtKB:Q62881}

Tissue Location

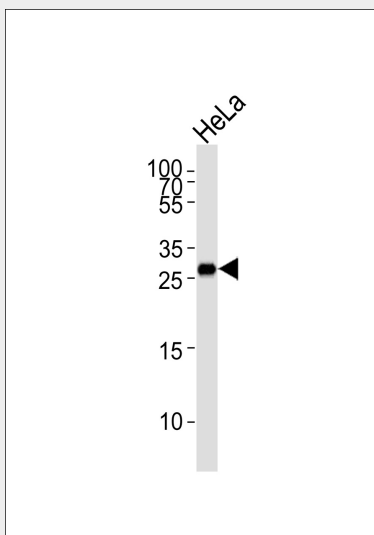
Highly expressed in heart and skeletal muscle. Detected at low levels in placenta, liver, kidney and pancreas

ARC Antibody - Protocols

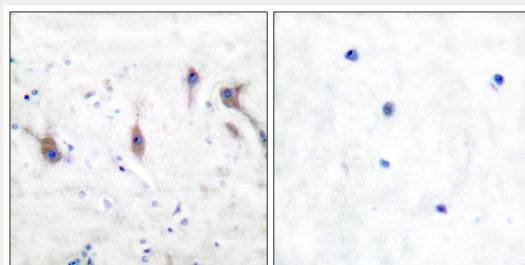
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ARC Antibody - Images



Western blot analysis of lysate from HeLa cell line, using ARC Antibody (AP50583). AP50583 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.



Immunohistochemical analysis of paraffin-embedded human brain tissue using ARC antibody.

ARC Antibody - Background

Isoform 1 may be involved in RNA splicing.

ARC Antibody - References

Koseki T.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:5156-5160(1998).
Stoss O.,et al.J. Biol. Chem. 274:10951-10962(1999).
Russell J.F.,et al.Ann. Neurol. 72:175-183(2012).