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UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone UACA/1222]
Catalog # AH12113

Specification

UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide - Product Information

Application	**WB, IF, FC**
Primary Accession	Q9BZF9
Other Accession	55075, 108049
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1, kappa**
Calculated MW	**160kDa KDa**

UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide - Additional Information

Gene ID 55075

Other Names
Uveal autoantigen with coiled-coil domains and ankyrin repeats, UACA, KIAA1561

Application Note
WB~~1:1000<br \>IF~~1:50~200<br \>FC~~1:10~50

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide - Protein Information

Name UACA

Synonyms KIAA1561

Function
Regulates APAF1 expression and plays an important role in the regulation of stress-induced apoptosis. Promotes apoptosis by regulating three pathways, apoptosome up-regulation, LGALS3/galectin-3 down-regulation and NF-kappa-B inactivation. Regulates the redistribution of APAF1 into the nucleus after proapoptotic stress. Down-regulates the expression of LGALS3 by inhibiting NFKB1 (By similarity).

Cellular Location
Nucleus. Cytoplasm. Cytoplasm, cytoskeleton. Note=Expressed diffusely in cytoplasm

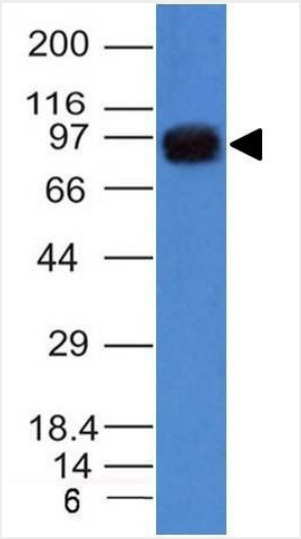
Tissue Location
Highly expressed in skeletal muscle, heart, kidney and pancreas. Expressed in choroid, retina and epidermal melanocytes Expressed in eye muscles and thyroid follicular cells

UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide - Images



Western Blot of A549 Cell Lysate using UACA / Nucling Monoclonal Antibody (UACA/1222)

UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide - Background

UACA (Uveal Autoantigen with Coiled-coil domains and Ankyrin repeats) is a 1,416 amino acid nuclear membrane protein. It was originally identified as an autoantigen in patients with panuveitis, a characteristic of Vogt-Koyanagi-Harada disease, and in patients with Graves' disease. UACA was also later identified as Nucling, an mRNA differentially expressed in F9 embryonal carcinoma cells during cardiac muscle differentiation. UACA appears to function as a pro-apoptotic protein that recruits the apaf-1-pro-caspase-9 complex for the induction of apoptosis to mediate the cell-death pathway.

UACA / Nucling (Nuclear Membrane Marker) Antibody - With BSA and Azide - References

Yamada, K., et al. 2001. Identification of a novel autoantigen UACA in patients with panuveitis.

Biochem. Biophys. Res. Commun. 280: 1169-1176. | Ohkura, T., et al. 2004. Detection of the novel autoantibody (anti-UACA antibody) in patients with Graves disease. Biochem. Biophys. Res. Commun. 321: 432-440