10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

ARMC9 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13443a

Specification

ARMC9 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q7Z3E5

ARMC9 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 80210

Other Names
LisH domain-containing protein ARMC9, Melanoma/melanocyte-specific tumor antigen KU-MEL-1, NS21, ARMC9, KIAA1868

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13443a was selected from the N-term region of ARMC9. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ARMC9 Antibody (N-term) Blocking peptide - Protein Information

Name ARMC9 (HGNC:20730)

Synonyms KIAA1868

ARMC9 Antibody (N-term) Blocking peptide - Background

The specific function of the protein remains unknown.

ARMC9 Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Hillier, L.W., et al. Nature 434(7034):724-731(2005)Kiniwa, Y., et al. Cancer Res. 61(21):7900-7907(2001)

Function
Acts as a positive regulator of hedgehog (Hh)signaling (By similarity). Involved in ciliogenesis (By similarity). May participate in the trafficking and/or retention of GLI2 and GLI3 proteins at the ciliary tip (By similarity).

Cellular Location
Cytoplasm, cytoskeleton, cilium basal body. Cell projection, cilium {ECO:0000250|UniProtKB:Q9D2I5}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole Note=Localized to the proximal region in cilia. Stimulation of Hh signaling leads to redistribution of ARMC9 toward the ciliary tip within 6 hours, follow by a gradual return to its original proximal location (By similarity). Localizes to the daughter centriole of the primary cilium in RPE1 cells (PubMed:28625504) {ECO:0000250|UniProtKB:Q9D2I5, ECO:0000269|PubMed:28625504}

Tissue Location
Strongly expressed in most melanomas and melanocytes. Weakly expressed in the testis

ARMC9 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides