

**ARHE Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7751b****Specification**

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**ARHE Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P61587](#)

**ARHE Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 390

**Other Names**

Rho-related GTP-binding protein RhoE, Protein MemB, Rho family GTPase 3, Rho-related GTP-binding protein Rho8, Rnd3, RND3, ARHE, RHO8, RHOE

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7751b](/products/AP7751b) was selected from the C-term region of human ARHE. 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.

**ARHE Antibody (C-term) Blocking Peptide - Protein Information**

**Name** RND3

**Synonyms** ARHE, RHO8, RHOE

**Function**

Binds GTP but lacks intrinsic GTPase activity and is resistant to Rho-specific GTPase-activating proteins.

**Cellular Location**

Golgi apparatus membrane; Peripheral membrane protein

**Tissue Location**

Ubiquitous.

## **ARHE Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **ARHE Antibody (C-term) Blocking Peptide - Images**

## **ARHE Antibody (C-term) Blocking Peptide - Background**

Members of the Rho family of Ras-related GTPases, such as ARHE, regulate the organization of the actin cytoskeleton in response to extracellular growth factors. Like Ras (MIM 190020), Rho family members appear to cycle between an inactive GDP-bound form and an active GTP-bound form. Three major regulators of Rho activity have been identified: RhoGDIs, which interact with the GDP-bound Rho proteins to keep them in a resting complex (see MIM 601925); GEFs, which promote GDP/GTP exchange leading to activation of Rho proteins (see MIM 601855); and GAPs, which stimulate GTP hydrolysis and return the activated Rho protein to its inactive form (see MIM 602680) (Nobes et al., 1998 [PubMed 9531558]).

## **ARHE Antibody (C-term) Blocking Peptide - References**

Pinner,S., Nat. Cell Biol. 10 (2), 127-137 (2008)Poch,E., Exp. Cell Res. 313 (4), 719-731 (2007)Ongusaha,P.P., Curr. Biol. 16 (24), 2466-2472 (2006)