

HMHA1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6985c**Specification**

HMHA1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q92619](#)**HMHA1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 23526**Other Names**

Minor histocompatibility protein HA-1, Minor histocompatibility antigen HA-1, mHag HA-1, HMHA1, KIAA0223

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6985c](/products/AP6985c) was selected from the Center region of human HMHA1. 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.

HMHA1 Antibody (Center) Blocking Peptide - Protein Information**Name** ARHGAP45 ([HGNC:17102](#))**Function**

Contains a GTPase activator for the Rho-type GTPases (RhoGAP) domain that would be able to negatively regulate the actin cytoskeleton as well as cell spreading. However, also contains N-terminally a BAR- domain which is able to play an autoinhibitory effect on this RhoGAP activity.

Cellular Location

Cytoplasm. Cell projection, ruffle membrane

Tissue Location

Expressed on cells of the hematopoietic lineage. Detected in dendritic cells and epidermal Langerhans cells. Expressed in peripheral blood mononuclear cells, in all leukemia/lymphoma cell lines. Detected also in some solid tumors and tissues such as cancerous and non-cancerous tissue.

HMHA1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HMHA1 Antibody (Center) Blocking Peptide - Images

HMHA1 Antibody (Center) Blocking Peptide - Background

The minor histocompatibility antigen (mHags), HA-1 is a immunogenic alloantigen shown to be responsible for graft-versus-host disease (GVHD) in HLA-identical bone marrow transplantation. The antigen has two known alleles resulting in a single amino acid polymorphism. The HA-1H allele encodes histidine, whereas the HA-1R allele encodes arginine.

HMHA1 Antibody (Center) Blocking Peptide - References

Gillespie,G.,et.al., Hematol. J. 1 (6), 403-410 (2000)