10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HMHA1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6985c

Specification

HMHA1 Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q92619
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**124614**
Antigen Region	**877-903**

HMHA1 Antibody (Center) - Additional Information

Gene ID 23526

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

Target/Specificity
This HMHA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 877-903 amino acids from the Central region of human HMHA1.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HMHA1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HMHA1 Antibody (Center) - 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- domin which is able to play an autoinhibitory effect on this RhoGAP activity.

Cellular Location
Cytoplasm. Cell projection, ruffle membrane

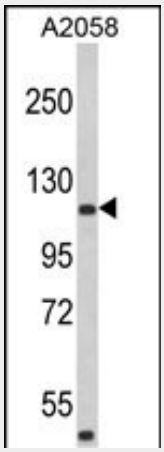
Tissue Location
Expressed on cells of the hematopoietic lineage. Detected in dendritic cells and epidermal Langerhans cells. Expressed in peripheral blood mononuclear cells, in all leukemia/lymphoma cell lines. Detected also in some solid tumors and tissues such as cancerous and non-cancerous tissue.

HMHA1 Antibody (Center) - 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

HMHA1 Antibody (Center) - Images



Western blot analysis of HMHA1 Antibody (Center) (Cat. #AP6985c) in A2058 cell line lysates (35ug/lane). HMHA1 (arrow) was detected using the purified Pab.

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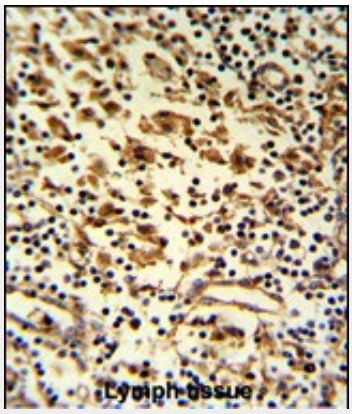
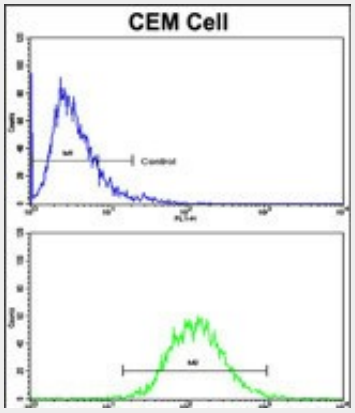


Formalin-fixed and paraffin-embedded human lymph reacted with HMHA1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of CEM cells using HMHA1 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

HMHA1 Antibody (Center) - 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) - References

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