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HMHA1 (aa57-71) Antibody (N-Term)

Peptide-affinity purified goat antibody
Catalog # AF3706a

Specification

HMHA1 (aa57-71) Antibody (N-Term) - Product Information

Application	**E**
Primary Accession	Q92619
Other Accession	NP_036424.2, 23526, 70719 (mouse), 314618 (rat)
Predicted	**Human, Mouse, Rat, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**124614**

HMHA1 (aa57-71) Antibody (N-Term) - Additional Information

Gene ID 23526

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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HMHA1 (aa57-71) Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

HMHA1 (aa57-71) Antibody (N-Term) - 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 (aa57-71) Antibody (N-Term) - 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 (aa57-71) Antibody (N-Term) - Images

HMHA1 (aa57-71) Antibody (N-Term) - Background

To avoid confusion please note that this antibody is designed to recognise the whole protein as coded by NP_036424.2 and won't recognise the peptide found eluted from HLA-A*0201 molecules by den Haan et al (Science. 1998 Feb 13;279(5353):1054-7, PMID: 946

HMHA1 (aa57-71) Antibody (N-Term) - References

Secondary anchor polymorphism in the HA-1 minor histocompatibility antigen critically affects MHC stability and TCR recognition. Nicholls S, Piper KP, Mohammed F, Dafforn TR, Tenzer S, Salim M, Mahendra P, Craddock C, van Endert P, Schild H, Cobbold M, Engelhard VH, Moss PA, Willcox BE. Proc Natl Acad Sci U S A. 2009 Mar 10;106(10):3889-94. PMID: 19234124