

For Research Use Only

RHOH Polyclonal antibody

Catalog Number: 27263-1-AP



Basic Information

Catalog Number:

27263-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26127

GenBank Accession Number:

BC014261

GeneID (NCBI):

399

UNIPROT ID:

Q15669

Full Name:

ras homolog gene family, member H

Calculated MW:

191 aa, 21 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: Jurkat cells, Raji cells, Ramos cells

Background Information

RHOH is also named ARHH and TTF. RHOH is a member of the RHO GTPase family, which orchestrates a wide range of cellular processes, such as cytoskeletal reorganization, vesicle trafficking, cell cycle, cell polarity, and cell migration (PMID: 33547421, PMID: 29233866). Unlike typical RHO GTPases that undergo cycling between inactive GDP-bound and active GTP-bound conformation, RHOH lacks intrinsic GTPase activity and remains in a constitutively GTP-bound form (PMID: 11809807). RHOH exhibits high expression in T cells and plays crucial roles in T cell development, activation and differentiation, and undergoes degradation in lysosomes following TCR stimulation (PMID: 17119112, PMID: 30339851, PMID: 19950172). RhoH has been found to regulate proliferation, survival, migration and engraftment of hematopoietic progenitor cells (HPCs), IL-3 signaling in a B cell line, Fc ϵ RI-dependent signal transduction in mast cells, and differentiation in eosinophils (PMID: 36108062).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

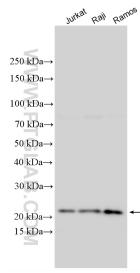
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27263-1-AP (RHOH antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.