

GCET2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58463

Specification

GCET2 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession

Host

Clonality

Calculated MW

Physical State

Q8N6F7

Rabbit

Polyclonal

20 KDa

Liquid

Immunogen KLH conjugated synthetic peptide derived

from human GCET2

Epitope Specificity 31-130/178

Isotype IgG

Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm. Cell membrane. Note=It

relocalizes from the cytoplasm to podosome-like structures upon cell

treatment with IL6.

SUBUNIT Interacts with ACTB and MYH2; the

interaction with MYH2 is increased by IL6-induced phosphorylation. Interacts (via

C-terminus) with ARHGEF11 (via DH domain). Interacts with ARHGEF12.

Post-translational modifications Phosphorylation on tyrosine residues can

be induced by IL6. Phosphorylation is

mediated by LYN.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a protein which may function in signal transduction pathways and whose expression is elevated in germinal cell lymphomas. It contains a putative PDZ-interacting domain, an immunoreceptor tyrosine-based activation motif (ITAM), and two putative SH2 binding sites. In B cells, its expression is specifically induced by interleukin-4. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008].

GCET2 Polyclonal Antibody - Additional Information

Gene ID 257144

Other Names

Germinal center-associated signaling and motility protein, Germinal center B-cell-expressed



transcript 2 protein, Germinal center-associated lymphoma protein, hGAL, GCSAM, GAL, GCET2

Target/Specificity

Expressed in diffuse large B-cell lymphoma (DLBCL) and several germinal center (GC)-like lymphoma cell lines (at protein level). Highly expressed in normal GC lymphocytes and GC-derived malignancies. Expressed in thymus and spleen.

Dilution

WB~~1:1000<br \> <span class
="dilution_IHC-P">IHC-P~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<br \> E~~N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

GCET2 Polyclonal Antibody - Protein Information

Name GCSAM

Synonyms GAL, GCET2

Function

Involved in the negative regulation of lymphocyte motility. It mediates the migration-inhibitory effects of IL6. Serves as a positive regulator of the RhoA signaling pathway. Enhancement of RhoA activation results in inhibition of lymphocyte and lymphoma cell motility by activation of its downstream effector ROCK. Is a regulator of B-cell receptor signaling, that acts through SYK kinase activation.

Cellular Location

Cytoplasm. Cell membrane. Note=It relocalizes from the cytoplasm to podosome-like structures upon cell treatment with IL6

Tissue Location

Expressed in diffuse large B-cell lymphoma (DLBCL) and several germinal center (GC)-like lymphoma cell lines (at protein level). Highly expressed in normal GC lymphocytes and GC-derived malignancies. Expressed in thymus and spleen

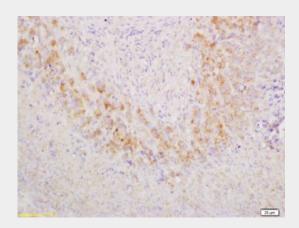
GCET2 Polyclonal Antibody - Protocols

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

GCET2 Polyclonal Antibody - Images





Tissue/cell: mouse lymphoma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GCET2 Polyclonal Antibody, Unconjugated(bs-6536R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining