abcam

ab250830

Anti-GCET2 antibody [EPR14333-60] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR14333-60
Purification technique	Affinity purification Protein A
Concentration	1.001 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	-

Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information GCSAM

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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab250830 is the carrier-free version of ab185539.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility

- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	GCET2 also known as germinal center-expressed transcript 2 or centroblast protein has a molecular mass of approximately 19 kDa. It expresses mainly in germinal center B cells specifically the centroblasts within lymphoid tissues. This protein functions mechanically by having a role in the regulation of B cell differentiation and proliferation. Research demonstrates its expression during specific stages of B cell development indicating an important involvement during immune processes.
Biological function summary	This protein influences the immune response by contributing to the maturation and selection of B cells within germinal centers. Although not known to be a part of any larger complex its expression corresponds with stages critical to adaptive immunity. GCET2 supports the processes that ensure only high-affinity B cell receptors mature fostering a strong and specific immune defense.
Pathways	Researchers place GCET2 in connection with the germinal center reaction a significant pathway in adaptive immunity. This pathway involves interaction with proteins such as Bcl-6 which regulates the formation and maintenance of germinal centers. Another pathway is the somatic hypermutation process critical for antibody diversity where GCET2 may influence the changes in antibody affinity.
Associated diseases and disorders	Scientists have linked GCET2 to certain conditions like lymphoma where its dysregulated expression may contribute to tumorigenesis. Evidence suggests that abnormalities in GCET2 expression levels correlate with the progression of some lymphoid malignancies. In autoimmune disorders this protein has associations with aberrant immune responses potentially increasing susceptibility to conditions characterized by excessive or uncontrolled immune activity.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

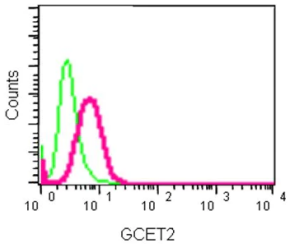
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

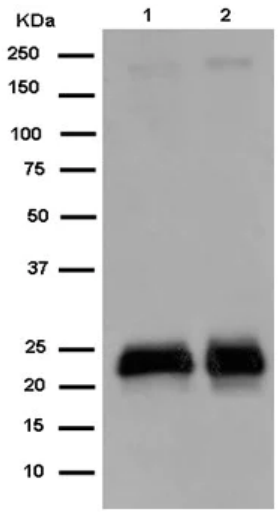
2 product images



Flow Cytometry (Intracellular) - Anti-GCET2 antibody [EPR14333-60] - BSA and Azide free (ab250830)

GCET2 Flow Cytometry (Intracellular) staining using rabbit Anti-GCET2 antibody

This data was developed using ab185539, the same antibody clone in a different buffer formulation.
Intracellular Flow Cytometry analysis of 2% paraformaldehyde fixed Jurkat cells labeling GCET2 with ab185539 at 1/130 dilution (pink) or a rabbit IgG isotype control (green), followed by secondary Goat anti rabbit IgG (FITC) at 1/150 dilution.



Western blot - Anti-GCET2 antibody [EPR14333-60] - BSA and Azide free (ab250830)

GCET2 Western blot staining using rabbit Anti-GCET2 antibody

This data was developed using ab185539, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-GCET2 antibody [EPR14333-60] (ab185539) at 1/5000 dilution

Lane 1:
Raji cell lysate at 20 µg

Lane 2:
Jurkat cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 21 kDa

Observed band size: 21 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.