abcam

ab324572

Anti-GCSF Receptor antibody [EPR26507-386] - BSA and Azide free

Recombinant | RabMAb | Advanced Validation

Key facts

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	EPR26507-386
Purification technique	Affinity purification Protein A
Concentration	0.992 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Synthetic peptide
Dilution info	-
Notes	-

Species	Human
Dilution info	-
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Not recommended

Species	Mouse
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Mouse, Synthetic peptide
Dilution info	-
Notes	-

WB

Not recommended

Species	Mouse, Human, Synthetic peptide
Dilution info	-
Notes	-

mIHC

Tested

Species	Human
Dilution info	-
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Not recommended

Species	Synthetic peptide, Mouse
Dilution info	-
Notes	-

Target data

See full target information CSF3R

Function	Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab324572 is the carrier-free version of ab324569.

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.

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.

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

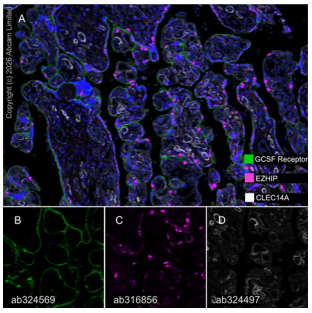
We do not recommend this combination. It is not covered by our product promise.

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.

6 product images



Multiplex immunohistochemistry - Anti-GCSF Receptor antibody [EPR26507-386] - BSA and Azide free (ab324572)

GCSF Receptor Multiplex immunohistochemistry staining using rabbit Anti-GCSF Receptor antibody

This data was developed using ab324569, the same antibody clone in a different buffer formulation.
Multiplex immunohistochemistry analysis of formalin/PFA-fixed paraffin-embedded human placenta tissue staining GCSF Receptor with ab324569 at a 1/100 dilution, ab316856 anti-EZHIP used at 1/500 dilution and ab324497 anti-CLEC14A used at a 1/1000 dilution.

Panel A: anti-GCSF Receptor (green; Opal™520), anti-EZHIP (magenta; Opal™690) and anti-CLEC14A (gray; Opal™570) on human placenta.

Panel B: anti-GCSF Receptor staining cytoplasm of trophoblast in human placenta.

Panel C: anti-EZHIP staining nucleus in human placenta.

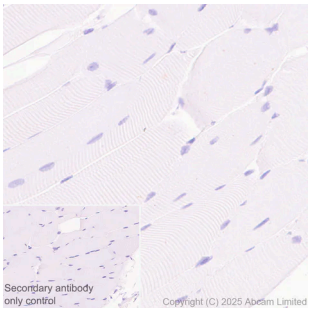
Panel D: anti-CLEC14A staining endothelium in human placenta.

Nuclear DNA was labeled with DAPI (shown in blue).

The section was incubated in three rounds of staining: in the order of ab324569, ab316856 and ab324497 for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCSF Receptor antibody [EPR26507-386] - BSA and Azide free (ab324572)

GCSF Receptor Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human skeletal muscle using rabbit Anti-GCSF Receptor antibody

This data was developed using ab324569, the same antibody clone in a different buffer formulation.

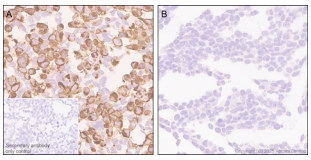
Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue labeling GCSF Receptor with ab324569 at 1/100 (4.96 ug/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Negative control: no staining on human skeletal muscle. The primary antibody was incubated for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCSF Receptor antibody [EPR26507-386] - BSA and Azide free (ab324572)

GCSF Receptor Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-GCSF Receptor antibody

This data was developed using ab324569, the same antibody clone in a different buffer formulation.

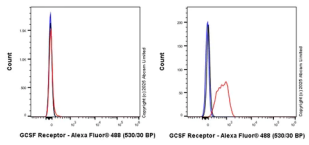
Immunohistochemical analysis of paraffin-embedded (A) HEK-293T (human epithelial cell line from embryonic kidney) transfected with a CSF3R expression vector containing a Myc-His tag. (B) HEK-293T transfected with empty vector containing a Myc-His tag tissue labeling GCSF Receptor with ab324569 at 1/2000 (0.248 ug/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Positive staining on (A) HEK-293T (human epithelial cell line from embryonic kidney) transfected with a CSF3R expression vector containing a Myc-His tag, no staining on (B) HEK-293T transfected with empty vector containing a Myc-His tag. The primary antibody was incubated for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Flow Cytometry - Anti-GCSF Receptor antibody [EPR26507-386] - BSA and Azide free (ab324572)

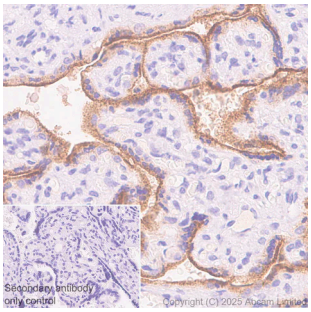
GCSF Receptor Flow Cytometry staining using rabbit Anti-GCSF Receptor antibody

This data was developed using ab324569, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Human PBMC (human peripheral blood mononuclear cell, Left) / Human purified neutrophils (Right) cells labelling GCSF Receptor with ab324569 at 1/50 dilution (1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells.
Negative control: Human PBMC (Gated on Lymphoid Cells).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCSF Receptor antibody [EPR26507-386] - BSA and Azide free (ab324572)

GCSF Receptor Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human placenta using rabbit Anti-GCSF Receptor antibody

This data was developed using ab324569, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human placenta tissue labeling GCSF Receptor with ab324569 at 1/100 (4.96 ug/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

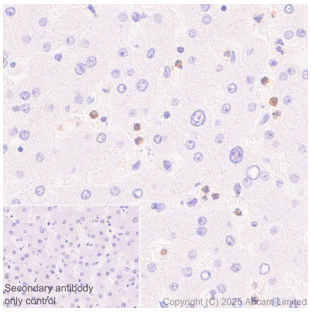
Positive staining on human placenta (PMID: 10473051; PMID: 33415106). The primary antibody was incubated for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GCSF Receptor antibody [EPR26507-386] - BSA and Azide free (ab324572)

GCSF Receptor Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human liver using rabbit Anti-GCSF Receptor antibody

This data was developed using ab324569, the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling GCSF Receptor with ab324569 at 1/100 (4.96 ug/ml) dilution, followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Positive staining on immune cells of human liver. The primary antibody was incubated for 30 mins at room temperature.
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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