abcam

ab180523

Anti-KLC3 antibody [EPR11149(2)]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR11149(2)
Purification technique	Affinity purification Protein A
Concentration	0.107 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/40
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/10000 - 1/50000
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/1000
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/10
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/100 - 1/250
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information KLC3

Function	Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. Plays a role during spermiogenesis in the development of the sperm tail midpiece and in the normal function of spermatozoa (By similarity). May play a role in the formation of the mitochondrial sheath formation in the developing spermatid midpiece (By similarity).

Storage

Shipped at conditions	Conditional Ambient

Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

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

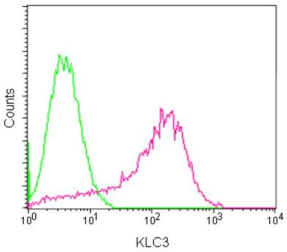
We do not recommend this combination. It is not covered by our product promise.

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.

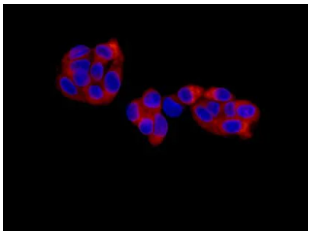
5 product images



Flow Cytometry (Intracellular) - Anti-KLC3 antibody [EPR11149(2)] (ab180523)

KLC3 Flow Cytometry (Intracellular) staining using rabbit Anti-KLC3 antibody

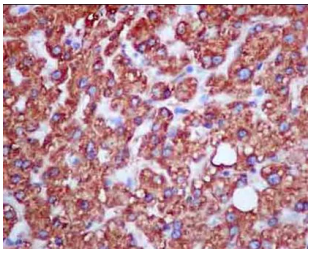
Intracellular flow cytometric analysis of Jurkat cells (2% paraformaldehyde-fixed)labeling KLC3 with ab180523 at 1/10 dilution. Goat anti-rabbit IgG (FITC)at 1/75 dilution was used as the secondary antibody.Rabbit monoclonal IgG was used as the isotype control.



Immunocytochemistry/ Immunofluorescence - Anti-KLC3 antibody [EPR11149(2)] (ab180523)

KLC3 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-KLC3 antibody

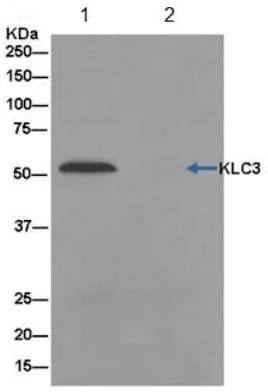
Immunofluorescent analysis of HepG2 cells (4% paraformaldehyde-fixed) labeling KLC3 with ab180523 at 1/1000 dilution followed by Goat anti-rabbit IgG (Dylight 555) at 1/250 dilution and counterstained with DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KLC3 antibody [EPR11149(2)] (ab180523)

KLC3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-KLC3 antibody

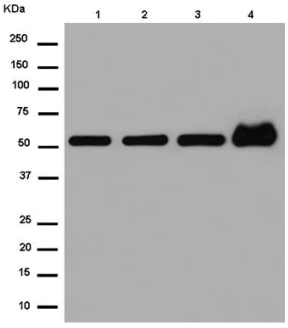
Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling KLC3 with ab180523 at 1/250 dilution followed by ImmunoHistoprobe (Ready to use) HRP Polymer for Rabbit IgG secondary and counter stained with Hematoxylin.
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-KLC3 antibody [EPR11149(2)] (ab180523)

Western blot analysis of immunoprecipitation pellet from BxPC-3 cell lysate immunoprecipitated using ab180523 at 1/40 dilution (lane 1). Negative control (lane 2). Rabbit TrueBlot®:Anti-Rabbit IgG HRP at 1/1500 dilution was used as secondary.
All lanes:
Immunoprecipitation - Anti-KLC3 antibody [EPR11149(2)] (ab180523)

Predicted band size: 55 kDa



Western blot - Anti-KLC3 antibody [EPR11149(2)] (ab180523)

KLC3 Western blot staining using rabbit Anti-KLC3 antibody

All lanes:
Western blot - Anti-KLC3 antibody [EPR11149(2)] (ab180523) at 1/50000 dilution

Lane 1:
Jurkat cell lysate at 20 µg

Lane 2:
U-87 MG cell lysate at 20 µg

Lane 3:
HepG2 cell lysate at 20 µg

Lane 4:
BxPC-3 cell lysate at 20 µg

Secondary

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

Predicted band size: 55 kDa

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