abcam

ab108391

Anti-Cripto1/CRIPTO antibody [EPNCIR106A]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 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	EPNCIR106A
Purification technique	Affinity purification Protein A
Concentration	0.556 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/10 - 1/100
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/500
Notes	For unpurified use at 1/100 -1/250.

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information CRIPTO

Function GPI-anchored cell membrane protein involved in Nodal signaling. Cell-associated CRIPTO acts as a Nodal coreceptor in cis. Shedding of CRIPTO by TMEM8A modulates Nodal signaling by allowing soluble CRIPTO to act as a Nodal coreceptor on other cells (PubMed:27881714). Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm (PubMed:11909953).

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	Allow to warm to room temp and agitate gently before aliquoting
Storage information	Avoid freeze / thaw cycle, Stable for 12 months at -20°C

Notes

This antibody was developed as part of a collaboration between Epitomics, the National Cancer Institute's Center for Cancer Research and the lab of David Solomon. View antibodies from NCI Center for Cancer Research Collaboration.

Species reactivity

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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

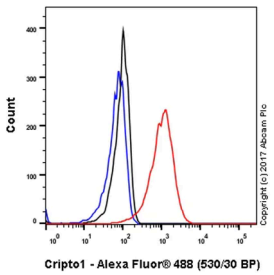
We do not recommend this combination. It is not covered by our product promise.

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.

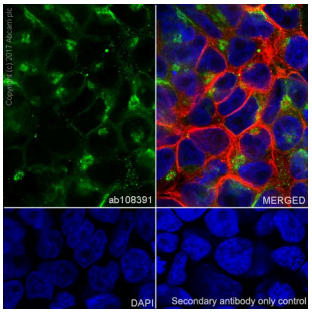
5 product images



Flow Cytometry (Intracellular) - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391)

Cripto1/CRIPTO Flow Cytometry (Intracellular) staining using rabbit Anti-Cripto1/CRIPTO antibody

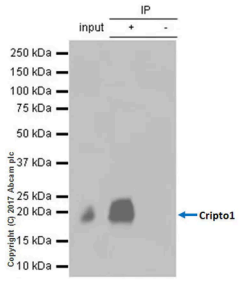
Intracellular Flow Cytometry analysis of NCCIT (human pluripotent embryonal carcinoma) cells labeling Cripto1/CRIPTO with purified ab108391at 1/2200 dilution (1ug/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluorr® 488) (1/2000 dilution) was used as the secondary antibody. Rabbit monoclonal IgG (Black) was used as the isotype control, cells without incubation with primary antibody and secondary antibody (Blue) were used as the unlabeled control.



Immunocytochemistry/ Immunofluorescence - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391)

Cripto1/CRIPTO Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Cripto1/CRIPTO antibody

Immunocytochemistry/ Immunofluorescence analysis of NCCIT (Human pluripotent embryonic carcinoma epithelial cell) cells labeling Cripto1/CRIPTO with Purified ab108391 at 1:500 dilution (1.1µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). ab150077 Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

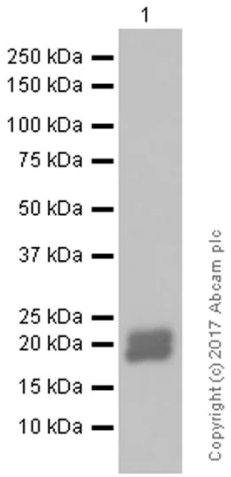


Immunoprecipitation - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391)

ab108391 (purified) at 1:30 dilution (2ug) immunoprecipitating Cripto1/CRIPTO in NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysate.
Lane 1 (input): NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysate 10ug
Lane 2 (+): ab108391 & NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (ab172730) instead of ab108391 in NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysate
For western blotting, VeriBlot for IP Detection Reagent (HRP) (ab131366) was used for detection at 1:1000 dilution.
All lanes:

Immunoprecipitation - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391)

Predicted band size: 21 kDa



Western blot - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391)

Cripto1/CRIPTO Western blot staining of NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysate using rabbit Anti-Cripto1/CRIPTO antibody

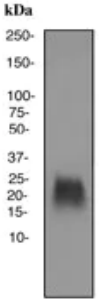
Blocking and diluting buffer: 5% NFDM/TBST
All lanes:
Western blot - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391) at 1/2000 dilution

All lanes:
NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 21 kDa



Western blot - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391)

All lanes:
Western blot - Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391) at 1/1000 dilution

All lanes:
NCCIT cell lysate at 10 µg

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'.