# Anti-Cripto1/CRIPTO antibody [EPNCIR106A] ab108391

**Product name**
Anti-Cripto1/CRIPTO antibody [EPNCIR106A]

**Description**
Rabbit monoclonal [EPNCIR106A] to Cripto1/CRIPTO

**Host species**
Rabbit

**Tested applications**
Suitable for: ICC/IF, WB, IP, Flow Cyt

**Species reactivity**
Reacts with: Human

**Immunogen**
Synthetic peptide within Human Cripto1/CRIPTO. The exact sequence is proprietary. Database link: P13385
(Peptide available as ab193609)

**Positive control**

**General 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.

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

This product was previously labelled as Cripto1.

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

**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.**

This product is a recombinant rabbit monoclonal antibody.

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Allow to warm to room temp and agitate gently before aliquoting. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.</td>
</tr>
</tbody>
</table>
Storage buffer
pH: 7.20
Preservative: 0.01% Sodium azide
 Constituents: 40% Glycerol, 0.05% BSA, PBS

Purity
Protein A purified

Clonality
Monoclonal

Clone number
EPNCIR106A

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab108391 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>1/500.</td>
<td>For unpurified use at 1/100 - 1/250.</td>
</tr>
<tr>
<td>WB</td>
<td>1/1000 - 1/10000. Detects a band of approximately 21 kDa (predicted molecular weight: 21 kDa). Can be blocked with Recombinant human Cripto1/CRIPTO protein (Fc Chimera) (ab84062).</td>
<td></td>
</tr>
<tr>
<td>IP</td>
<td>1/10 - 1/100.</td>
<td></td>
</tr>
<tr>
<td>Flow Cyt</td>
<td>Use at an assay dependent concentration.</td>
<td></td>
</tr>
</tbody>
</table>

Target

Function
Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.

Tissue specificity
Preferentially expressed in gastric and colorectal carcinomas than in their normal counterparts.

Sequence similarities
Contains 1 EGF-like domain.

Cellular localization
Cell membrane.

Images
Flow Cytometry analysis of NCCIT (human pluripotent embryonal carcinoma) cells labeling Cripto1/CRIPTO with purified ab108391 at 1/2200 dilution (1µg/ml) (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. A Goat anti rabbit IgG (Alexa Fluor® 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.

Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391) at 1/2000 dilution (purified) + NCCIT (Human pluripotent embryonic carcinoma epithelial cell) whole cell lysates at 20 µg

**Secondary**

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

**Predicted band size:** 21 kDa

Blocking and diluting buffer: 5% NFDM/TBST
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.

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.
Anti-Cripto1/CRIPTO antibody [EPNCIR106A] (ab108391) at 1/1000 dilution (unpurified) + 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 PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors