

Product datasheet

Anti-Cripto1/CRIPTO antibody [EPR22230-60] ab229016

Recombinant RabMAb

2 Images

Overview

<b>Product name</b>	Anti-Cripto1/CRIPTO antibody [EPR22230-60]
<b>Description</b>	Rabbit monoclonal [EPR22230-60] to Cripto1/CRIPTO
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human Cripto1/CRIPTO aa 1-150. The exact sequence is proprietary. Database link: <a href="#">P13385</a>
<b>Positive control</b>	WB: NCCIT whole cell lysate. IP: NCCIT whole cell lysate.
<b>General notes</b>	This product was previously labelled as Cripto1

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 production

For more information [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR22230-60
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab229016** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 17, 21 kDa (predicted molecular weight: 21 kDa).
IP		1/30.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

## Target

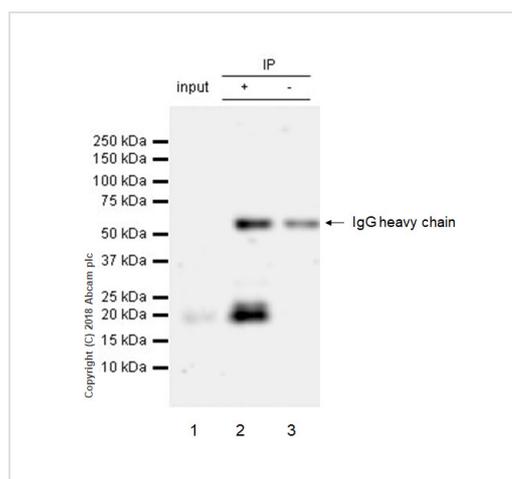
**Function** Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.

**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



Immunoprecipitation - Anti-Cripto1/CRIPTO antibody  
[EPR22230-60] (ab229016)

Cripto1/CRIPTO was immunoprecipitated from 0.35 mg of NCCIT (human pluripotent embryonic carcinoma cell line) whole cell lysate with ab229016 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab229016 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/5000 dilution.

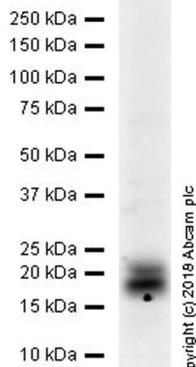
**Lane 1:** NCCIT whole cell lysate 10 µg (Input).

**Lane 2:** ab229016 IP in NCCIT whole cell lysate.

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab229016 in NCCIT whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 2 minutes.



Western blot - Anti-Cripto1/CRIPTO antibody  
[EPR22230-60] (ab229016)

Anti-Cripto1/CRIPTO antibody [EPR22230-60] (ab229016) at  
1/1000 dilution + NCCIT (human pluripotent embryonic carcinoma  
cell line) whole cell lysate at 20 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

**Predicted band size:** 21 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

The double bands observed are consistent with what has been described in the literature. The lower band represents the immature form of Cripto1/CRIPTO. The upper band is likely to be the processed glycosylated form (PMID: 27881714 and 20568225).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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