Product datasheet

Anti-Casein Kinase 1 alpha antibody [EPR1961(2)]
ab108296

Recombinant RabMab®

Overview

Product name
Anti-Casein Kinase 1 alpha antibody [EPR1961(2)]

Description
Rabbit monoclonal [EPR1961(2)] to Casein Kinase 1 alpha

Host species
Rabbit

Tested applications
Suitable for: WB

Species reactivity
Reacts with: Mouse, Rat, Human

Immunogen
Synthetic peptide corresponding to Human Casein Kinase 1 alpha aa 250-350.

Positive control
MCF-7, HeLa, Jurkat, Rat brain lysates, RAW 264.7, PC-12 and HT-1376 cell lysates

General notes
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

Form
Liquid

Storage instructions
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.

Storage buffer
pH: 7.20
Preservative: 0.01% Sodium azide
Constituents: 40% Glycerol, 0.05% BSA, 59% PBS

Purity
Protein A purified

Clonality
Monoclonal

Clone number
EPR1961(2)

Isotype
IgG
**Function**

Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates CTNNB1 at ‘Ser-45’. May play a role in segregating chromosomes during mitosis.

**Sequence similarities**

Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily. Contains 1 protein kinase domain.

**Cellular localization**


### Images

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**Applications**

Our Abpromise guarantee covers the use of **ab108296** in the following tested applications.

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

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| WB          | 🌟🌟🌟🌟🌟 | 1/1000. Detects a band of approximately 34 kDa (predicted molecular weight: 39 kDa).  
**For unpurified use at 1/1000 - 1/10000** |
**Western blot - Anti-Casein Kinase 1 alpha antibody [EPR1961(2)] (ab108296)**

**All lanes:** Anti-Casein Kinase 1 alpha antibody [EPR1961(2)] (ab108296) at 1/1000 dilution (purified)

**Lane 1:** Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates

**Lane 2:** MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lysates/proteins at 15 µg per lane.

**Secondary**

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

**Predicted band size:** 39 kDa

Blocking and diluting buffer: 5% NFDM/TBST

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**Western blot - Anti-Casein Kinase 1 alpha antibody [EPR1961(2)] (ab108296)**

Anti-Casein Kinase 1 alpha antibody [EPR1961(2)] (ab108296) at 1/2000 dilution + RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates at 20 µg

**Secondary**

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

**Predicted band size:** 39 kDa

Blocking and diluting buffer: 5% NFDM/TBST
Western blot - Anti-Casein Kinase 1 alpha antibody [EPR1961(2)] (ab108296)

All lanes: Anti-Casein Kinase 1 alpha antibody [EPR1961(2)] (ab108296) at 1/1000 dilution (purified)

Lane 1: Rat brain lysates
Lane 2: PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysates

Lysates/proteins at 15 µg per lane.

Secondary

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

Predicted band size: 39 kDa

Blocking and diluting buffer: 5% NFDM/TBST

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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