abcam

Product datasheet

APC Anti-Cathepsin D antibody [EPR3057Y] ab305651

Recombinant

RabMAb

1 Image

Overview

Product name APC Anti-Cathepsin D antibody [EPR3057Y]

Description APC Rabbit monoclonal [EPR3057Y] to Cathepsin D

Host species Rabbit

Conjugation APC. Ex: 645nm, Em: 660nm

Tested applications Suitable for: Target binding affinity, Antibody labelling

Immunogen Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

General notes

This $\underline{\textbf{conjugated primary antibody}}$ is released using a quantitative quality control method that

evaluates binding affinity post-conjugation and efficiency of antibody labeling.

For suitable applications and species reactivity, please refer to the unconjugated version of this

clone. This conjugated antibody is eligible for Abtrial: learn more $\underline{\textbf{here}}.$

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[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb**[®] **patents**.

Properties

Form Liquid

Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C.

Avoid freeze / thaw cycle. Store In the Dark.

Storage buffer pH: 7.4

Preservative: 0.02% Sodium azide Constituents: 98% PBS, 1% BSA

Purity Protein A purified

Clonality Monoclonal

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Clone number EPR3057Y

Isotype IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab305651 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
Target binding affinity		Use at an assay dependent concentration.
Antibody labelling		Use at an assay dependent concentration.

Target

Function Acid protease active in intracellular protein breakdown. Involved in the pathogenesis of several

diseases such as breast cancer and possibly Alzheimer disease.

Tissue specificity Expressed in the aorta extrcellular space (at protein level).

Involvement in disease Ceroid lipofuscinosis, neuronal, 10

Sequence similarities Belongs to the peptidase A1 family.

Contains 1 peptidase A1 domain.

Post-translational

modifications

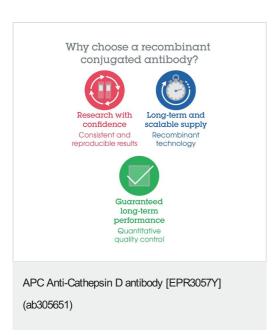
N- and O-glycosylated.

Cellular localization Lysosome. Melanosome. Secreted, extracellular space. Identified by mass spectrometry in

melanosome fractions from stage I to stage IV. In aortic samples, detected as an extracellular

protein loosely bound to the matrix (PubMed:20551380).

Images



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