

Product datasheet

AP Anti-Cathepsin D antibody [EPR3057Y] ab308915

Recombinant RabMAb

1 Image

Overview

Product name	AP Anti-Cathepsin D antibody [EPR3057Y]
Description	Alkaline Phosphatase Rabbit monoclonal [EPR3057Y] to Cathepsin D
Host species	Rabbit
Conjugation	Alkaline Phosphatase
Tested applications	Suitable for: Antibody labelling, Target binding affinity
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>This conjugated primary antibody is released using a quantitative quality control method that evaluates binding affinity post-conjugation and efficiency of antibody labeling.</p> <p>For suitable applications and species reactivity, please refer to the unconjugated version of this clone. This conjugated antibody is eligible for Abtrial: learn more here.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 0.016% Magnesium chloride, 0.001% Zinc chloride
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR3057Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab308915 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
Antibody labelling		Use at an assay dependent concentration.
Target binding affinity		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 extracellular 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

Why choose a recombinant conjugated antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Guaranteed long-term performance
Quantitative quality control

AP Rabbit monoclonal [EPR3057Y] to Cathepsin D
(ab308915)

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

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