

Product datasheet

Anti-AGL/Alpha-glucosidase antibody [EPR8880] (Alexa Fluor® 647) ab217078

Recombinant RabMAb

1 Image

Overview

Product name	Anti-AGL/Alpha-glucosidase antibody [EPR8880] (Alexa Fluor® 647)
Description	Rabbit monoclonal [EPR8880] to AGL/Alpha-glucosidase (Alexa Fluor® 647)
Host species	Rabbit
Conjugation	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat ▲
Immunogen	Synthetic peptide within Human AGL/Alpha-glucosidase aa 50-150. The exact sequence is proprietary. Database link: P35573
Positive control	ICC/IF: HeLa cells
General notes	This product was previously labelled as AGL

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](#).

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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. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol, 1% BSA, PBS
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	EPR8880
Isotype	IgG

Applications

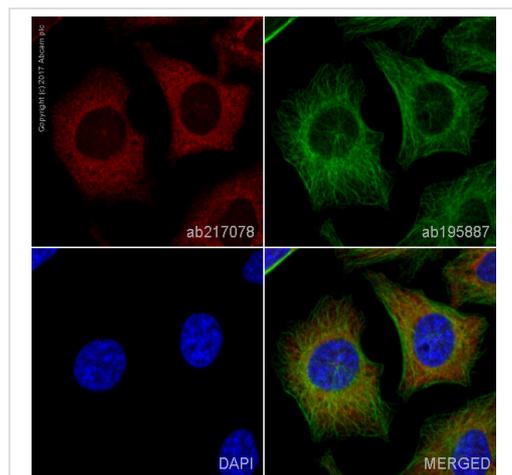
Our [Abpromise guarantee](#) covers the use of **ab217078** in the following tested applications.

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

Application	Abreviews	Notes
ICC/IF		1/100. This product gave a positive signal in HeLa cells fixed with 4% formaldehyde (10 min)

Target

Function	Multifunctional enzyme acting as 1,4-alpha-D-glucan:1,4-alpha-D-glucan 4-alpha-D-glycosyltransferase and amylo-1,6-glucosidase in glycogen degradation.
Tissue specificity	Liver, kidney and lymphoblastoid cells express predominantly isoform 1; whereas muscle and heart express not only isoform 1, but also muscle-specific isoform mRNAs (isoforms 2, 3 and 4). Isoforms 5 and 6 are present in both liver and muscle.
Involvement in disease	Glycogen storage disease 3
Sequence similarities	Belongs to the glycogen debranching enzyme family.
Post-translational modifications	The N-terminus is blocked. Ubiquitinated.
Cellular localization	Cytoplasm. Under glycogenolytic conditions localizes to the nucleus.



Immunocytochemistry/ Immunofluorescence - Anti-AGL/Alpha-glucosidase antibody [EPR8880] (Alexa Fluor® 647) (ab217078)

ab217078 staining AGL/Alpha-glucosidase in HeLa cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab217078 at 1/100 dilution (shown in red) and ab195887, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 488), at 1/250 dilution (shown in green). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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

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