abcam

Product datasheet

Alexa Fluor® 647 Anti-Glucagon antibody [EP3070] ab307337

Recombinant RabMAb

3 Images

Overview

Product name	Alexa Fluor® 647 Anti-Glucagon antibody [EP3070]
Description	Alexa Fluor® 647 Rabbit monoclonal [EP3070] to Glucagon
Host species	Rabbit
Conjugation	Alexa Fluor® 647. Ex: 652nm, Em: 668nm
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human pancreas, Mouse pancreas and Rat pancreas.
General notes	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**. Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or **outlicensing@thermofisher.com**.

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 long term. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, 68% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP3070
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab307337 in the following tested applications.

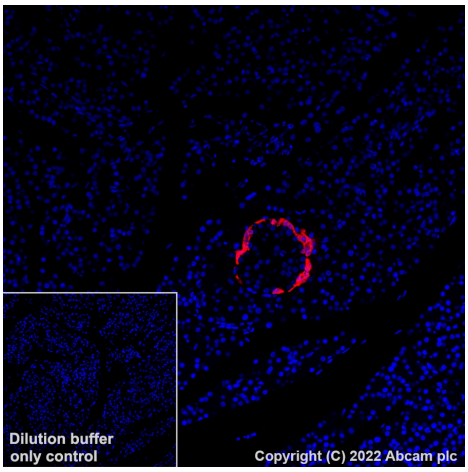
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Relevance	Glucagon is a hormone that is secreted by alpha cells in the pancreas. Glucagon antagonizes insulin by converting glycogen to glucose in the liver and increasing blood sugar levels. Glucagon-like peptide 1 (GLP1), Glucagon-like peptide 2 (GLP2), VIP (vasoactive intestinal peptide) and PACAP (pituitary adenylate cyclase activating polypeptide) are in the glucagons hormone family. GLP1 is a transmitter in the central nervous system that regulates feeding and drinking behavior. GLP2 stimulates intestinal epithelial growth.
Cellular localization	Secreted

Images

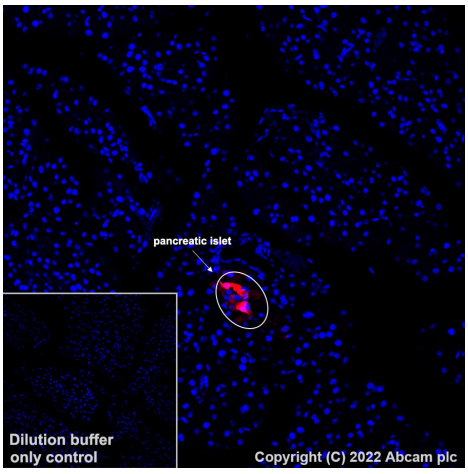


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-Glucagon antibody [EP3070] (ab307337)

Immunohistochemical analysis of paraffin-embedded Rat pancreas tissue labeling Glucagon with ab307337 at 1/100 (5.0 ug/ml) followed by a at dilution. Positive staining on rat pancreatic islet.The section was incubated with ab307337 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND RX instrument.Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). Counterstained with .

Secondary antibody only control: Secondary antibody is at dilution.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins

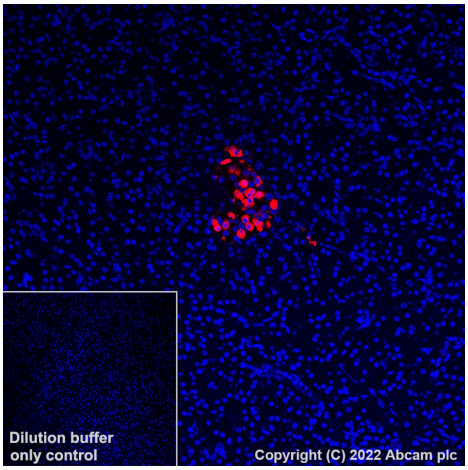


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-Glucagon antibody [EP3070] (ab307337)

Immunohistochemical analysis of paraffin-embedded Mouse pancreas tissue labeling Glucagon with ab307337 at 1/100 (5.0 ug/ml) followed by a at dilution. Positive staining on mouse pancreatic islet.The section was incubated with ab307337 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND RX instrument.Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). Counterstained with .

Secondary antibody only control: Secondary antibody is at dilution.

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 647 Anti-Glucagon antibody [EP3070] (ab307337)

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling Glucagon with ab307337 at 1/100 (5.0 ug/ml) followed by a at dilution. Positive staining on human pancreatic islet.The section was incubated with ab307337 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND RX instrument.Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). Counterstained with .

Secondary antibody only control: Secondary antibody is at dilution.

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