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Datasheet for ABIN7295952 anti-Amylin/DAP antibody (N-Term)

3 Images



Overview

Quantity:	100 µL
Target:	Amylin/DAP (IAPP)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Amylin/DAP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

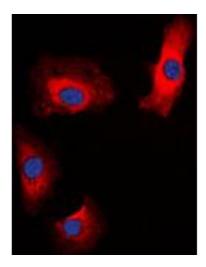
Product Details

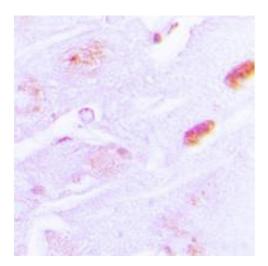
Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Amylin.
Specificity:	Recognizes endogenous levels of Amylin protein.
Characteristics:	Rabbit polyclonal antibody to Amylin
Purification:	The antibody was purified by immunogen affinity chromatography.
Target Details	
Target:	Amylin/DAP (IAPP)

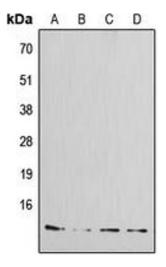
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Target Details	
Background:	Islet amyloid polypeptide, Amylin, Diabetes-associated peptide, DAP, Insulinoma amyloid peptide
Gene ID:	3375, 15874, 24476
UniProt:	P10997, P12968, P12969
Pathways:	Hormone Activity, Feeding Behaviour
Application Details	
Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months







Immunofluorescence

Image 1. Immunofluorescent analysis of Amylin staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Immunohistochemistry

Image 2. Immunohistochemical analysis of Amylin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Western Blotting

Image 3. Western blot analysis of Amylin expression in MCF7 (A), HeLa (B), mouse kidney (C), rat kidney (D) whole cell lysates.

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