Amylin (IAPP) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Amylin (IAPP), Polyclonal Antibody
Full Product Name	Amylin (DAP, Diabetes-Associated Peptide, IAP, Islet Amyloid Polypeptide, Insulinoma Amyloid Peptide, IAPP) (FITC)
Product Gene Name	anti-IAPP antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes human Amylin in transfected 293T cells.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	9,806 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (21525802..21532914). Location: 12p12.1
OMIM	147940
3D Structure	ModBase 3D Structure for P10997
Immunogen	Full length protein corresponding to aa1-89 from human Amylin.
Immunogen Sequence	MGILKLQVFLIVLSVALNHLKATPIESHQVEKRKCNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTYGKRNAVEVLKREPLNYLPL
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-IAPP antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-IAPP antibody	Western Blot (WB)
Application Notes for anti-IAPP antibody	WB: Transfected 293T cells Applications are based on unconjugated antibody.
Related Product Information for anti-IAPP antibody	MBS6462847 is an antibody targeting IAPP. Also known as Amylin (DAP, Diabetes-Associated Peptide, IAP, Islet Amyloid Polypeptide, Insulinoma Amyloid Peptide, IAPP) (FITC). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-IAPP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IAPP. It may not necessarily be applicable to this product.

NCBI GI #	4557655
NCBI GeneID	3375
NCBI Accession #	NP_000406.1
UniProt Primary Accession #	P10997
UniProt Secondary Accession #	Q0ZD87; Q14598
UniProt Related Accession #	P10997
GenBank Nucleotide #	NM_000415.2
NCBI Official Full Name	islet amyloid polypeptide
NCBI Official Synonym Full Names	islet amyloid polypeptide
NCBI Official Symbol	IAPP
NCBI Official Synonym Symbols	DAP; IAP
UniProt Protein Name	Islet amyloid polypeptide
UniProt Synonym Protein Names	Amylin; Diabetes-associated peptide; DAP; Insulinoma amyloid peptide
Protein Family	Islet amyloid polypeptide
UniProt Gene Name	IAPP
UniProt Synonym Gene Names	DAP
UniProt Entry Name	IAPP_HUMAN
NCBI Protein Information	islet amyloid polypeptide; amylin; insulinoma amyloid peptide; diabetes-associated peptide; Islet amyloid polypeptide (diabetes-associated peptide; amylin)
NCBI Summary for IAPP	Islet, or insulinoma, amyloid polypeptide is commonly found in pancreatic islets of patients suffering diabetes mellitus type II, or harboring an insulinoma. While the association of amylin with the development of type II diabetes has been known for some time, a direct causative role for amylin has been harder to establish. Studies suggest that amylin, like the related beta-amyloid (Abeta) associated with Alzheimer's disease, can induce apoptotic cell-death in particular cultured cells, an effect that may be relevant to the development of type II diabetes. [provided by RefSeq, Apr 2011]
UniProt Comments for IAPP	IAPP: Selectively inhibits insulin-stimulated glucose utilization and glycogen deposition in muscle, while not affecting adipocyte glucose metabolism. Belongs to the calcitonin family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 12p12.1 Cellular Component: extracellular space; cell soma; extracellular region Molecular Function: identical protein binding; hormone activity; receptor binding Biological Process: negative regulation of cell differentiation; cell-cell signaling; apoptosis; eating behavior; signal transduction; sensory perception of pain; negative regulation of bone resorption; endocrine pancreas development
Research Articles on IAPP	**1.** Studies indicate that IAPP is one of the most amyloidogenic sequences known.
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