IAPP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IAPP, Polyclonal Antibody
Full Product Name	IAPP Antibody
Product Gene Name	anti-IAPP antibody
Product Synonym Names	Islet amyloid polypeptide; Amylin; Diabetes-associated peptide; DAP; Insulinoma amyloid peptide; IAPP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: IAPP (MBS7048416) HRP Conjugated Antibody: IAPP (MBS7048417)
Matching Pairs	Unconjugated Antibody: IAPP (MBS7048416) FITC Conjugated Antibody: IAPP (MBS7048418)
Matching Pairs	Unconjugated Antibody: IAPP (MBS7048416) Biotin Conjugated Antibody: IAPP (MBS7048419)
Molecular Weight	9,806 Da
OMIM	M27503 Genomic DNA
3D Structure	ModBase 3D Structure for P10997
Immunogen	Recombinant human Islet amyloid polypeptide protein (34-70AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-20936
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IAPP antibody	ELISA (EIA)
Related Product Information for anti-IAPP antibody	Selectively inhibits insulin-stimulated glucose utilization and glycogen deposition in muscle, while not affecting adipocyte glucose metabolism.
Product References and Citations for anti-IAPP antibody	1"An islet amyloid peptide is derived from an 89-amino acid precursor by proteolytic processing."Sanke T., Bell G.I., Sample C., Rubenstein A.H., Steiner D.F. J. Biol. Chem. 263: 17243-17246(1988). 2"Cloning and expression of human islet amyloid polypeptide in cultured cells." Bhattacharya S., Naveena Lavanya Latha J., Kumresan R., Singh S. Biochem. Biophys. Res. Commun. 356: 622-628(2007)

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.
Searchable Terms for IAPP purchase	MBS7048416 is an antibody targeting IAPP. Also known as IAPP Antibody. Reactive in Human. Host: Rabbit.

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 preproprotein
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
NCBI Summary for IAPP	This gene encodes a member of the calcitonin family of peptide hormones. This hormone is released from pancreatic beta cells following food intake to regulate blood glucose levels and act as a satiation signal. Human patients with type 1 and advanced type 2 diabetes exhibit reduced levels of the encoded hormone in blood and pancreas. This protein also exhibits a bactericidal, antimicrobial activity. [provided by RefSeq, Jul 2016]
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; Secreted, signal peptide Chromosomal Location of Human Ortholog: 12p12.1 Cellular Component: extracellular region Molecular Function: identical protein binding; receptor binding Biological Process: apoptosis; cell-cell signaling; cellular protein metabolic process; signal transduction
Research Articles on IAPP	**1.** Serum levels of preptin and amylin were significantly lower in patients with psoriasis and Behcet's disease.

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