

Product datasheet for TA500146

Pancreatic alpha amylase (AMY2A) Mouse Monoclonal Antibody [Clone ID: OTI6D4]

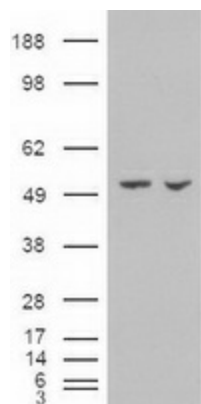
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI6D4
Applications:	IHC, WB
Recommend Dilution:	WB: 1:500, IHC 1:50
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant protein expressed in E.coli corresponding to amino acids 300-511 of human AMY2A
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.2 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	57.7 kDa
Gene Name:	amylase alpha 2A (pancreatic)
Database Link:	NP_000690 Entrez Gene 279 Human
Background:	Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the pancreas
Synonyms:	AMY2; PA
Protein Families:	Secreted Protein
Protein Pathways:	Metabolic pathways, Starch and sucrose metabolism

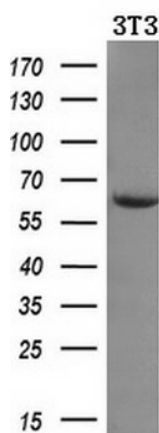


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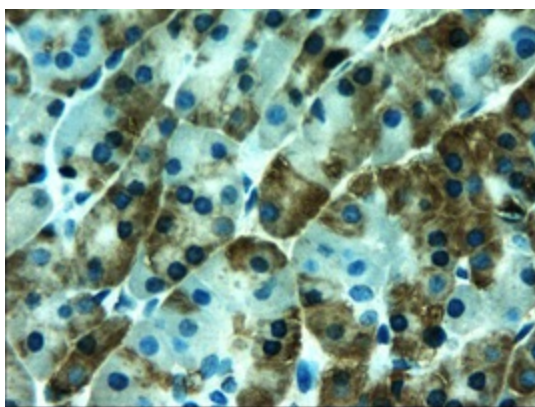
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AMY2A ([RC202805], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AMY2A. Positive lysates [LY424559] (100ug) and [LC424559] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from a mouse cell line by using anti-AMY2A monoclonal antibody (1:200).



Immunohistochemical staining of paraffin-embedded pancreas within the normal limits using anti-AMY2A (TA500146) mouse monoclonal antibody (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min).