

#8233 Store at -20C

Proglucagon (D16G10) XP[®] Rabbit mAb

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IHC-P, IF-F	H M R	Endogenous	Rabbit IgG	#P01275	2641
Product Usage Information	Application				Dilution
	Immunohistochemistry (Paraffin)				1:400
	Immunofluorescence (Frozen)				1:400
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.				
	For a carrier free (BSA and azide free) version of this product see product #29302.				
Specificity/Sensitivity	Proglucagon (D16G10) XP [®] Rabbit mAb recognizes endogenous levels of total proglucagon protein.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala137 of human proglucagon protein.				
Background	Glucose homeostasis is regulated by a variety of hormones including glucagon. Glucagon is synthesized as the precursor molecule proglucagon and is proteolytically processed to yield the mature peptide in α cells of the pancreatic islets. Glucagon causes the release of glucose from glycogen and stimulates gluconeogenesis in the liver (1,2).				
Background References	<ol style="list-style-type: none"> Hers, H.G. and Hue, L. (1983) <i>Annu. Rev. Biochem.</i> 52, 617-653. Granner, D. and Pilkis, S. (1990) <i>J. Biol. Chem.</i> 265, 10173-10176. 				

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen)
Cross-Reactivity Key	H: Human M: Mouse R: Rat
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