

Store at -20C  
#8233

## Proglucagon (D16G10) XP® Rabbit mAb



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

<b>Applications:</b> IHC-P, IF-F	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P01275	<b>Entrez-Gene Id:</b> 2641
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<b>Product Usage Information</b>	<b>Application</b> Immunohistochemistry (Paraffin) Immunofluorescence (Frozen)	<b>Dilution</b> 1:400 1:400
<b>Storage</b>	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.	
<b>Specificity / Sensitivity</b>	Proglucagon (D16G10) XP® Rabbit mAb recognizes endogenous levels of total proglucagon protein.	
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala137 of human proglucagon protein.	
<b>Background</b>	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).	
<b>Background References</b>	1. Hers, H.G. and Hue, L. (1983) <i>Annu. Rev. Biochem.</i> 52, 617-653. 2. Granner, D. and Pilkis, S. (1990) <i>J. Biol. Chem.</i> 265, 10173-10176.	

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Applications Key</b>	<b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>IF-F:</b> Immunofluorescence (Frozen)
<b>Cross-Reactivity Key</b>	<b>H:</b> human <b>M:</b> mouse <b>R:</b> rat <b>Hm:</b> hamster <b>Mk:</b> monkey <b>Vir:</b> virus <b>Mi:</b> mink <b>C:</b> chicken <b>Dm:</b> D. melanogaster <b>X:</b> Xenopus <b>Z:</b> zebrafish <b>B:</b> bovine <b>Dg:</b> dog <b>Pg:</b> pig <b>Sc:</b> S. cerevisiae <b>Ce:</b> C. elegans <b>Hr:</b> horse <b>GP:</b> Guinea Pig <b>Rab:</b> rabbit <b>All:</b> all species expected
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