

#2760
Store at -20C

Glucagon Antibody

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

Applications: IHC-P, IF-F	Reactivity: H M R	Sensitivity: Endogenous	Source/Isotype: Rabbit	UniProt ID: #P01275	Entrez-Gene Id: 2641
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Product Usage Information	Application Immunohistochemistry (Paraffin) Immunofluorescence (Frozen)	Dilution 1:100 - 1:400 1:200
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	Glucagon Antibody detects endogenous levels of total glucagon protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Tyr62 of human glucagon protein. Antibodies are purified by protein A and peptide affinity chromatography.	
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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