

#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: 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	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.	

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 Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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