

Datasheet: 4660-0930

Description:	SHEEP ANTI PIG GLUCAGON (C-TERMINAL)
Specificity:	GLUCAGON (C-TERMINAL)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin	▪			
ELISA	▪			1/5000 - 1/50,000
Western Blotting			▪	
Immunofluorescence	▪			
Radioimmunoassays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Pig
Species Cross Reactivity	Reacts with: Human, Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified Ig - liquid
Preparation	Purified Ig prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	5.0 mg/ml
Immunogen	Zinc glucagon-BSA.

**External Database
Links**

UniProt:

[P01274](#) [Related reagents](#)

Entrez Gene:

[397595](#) GCG [Related reagents](#)

Specificity

Sheep anti Pig glucagon antibody recognizes porcine glucagon, a 29 amino acid peptide produced by cleavage of preproglucagon. Glucagon plays a central role in glucose metabolism and homeostasis through increasing gluconeogenesis and reduction of glycolysis. Glucagon is synthesized by the A cells of the endocrine pancreas (UniProt: P01274).

References

1. Huang, Y.H. *et al.* (2005) Immunohistochemical localization of monoamine oxidase type B in pancreatic islets of the rat. [J Histochem Cytochem. 53: 1149-58.](#)
2. Gopel, S.O. *et al.* (2000) Patch-clamp characterisation of somatostatin-secreting -cells in intact mouse pancreatic islets. [J Physiol. 528: 497-507.](#)
3. Huang, Y.H. *et al.* (2009) Immunohistochemical localization of glucagon and pancreatic polypeptide on rat endocrine pancreas: coexistence in rat islet cells [Eur J Histochem. 53: 81-5.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10040 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

'M312049:180116'

Printed on 17 Jan 2018