



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Rabbit Anti-Bovine Carboxypeptidase A

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
DS-PB-00363

**Target Species**  
Bovine

**Isotype**  
Polyclonal IgG

### **Preparation**

**Synonyms:** CPA

**Immunogen:** Carboxypeptidase A from bovine pancreas

**Purification:** Ion Exchange chromatography, delipidation, salt fractionation

### **Formulation**

**Product Type:** Polyclonal Antibody

**Product Form:** Ig fraction - liquid

**Buffer Solution:** Phosphate buffered saline

**Preservative Stabilizers:** 0.09% Sodium Azide

**Approx. Protein Concentrations:** 5.0mg/ml

### **Specificity**

DS-PB-00363 recognizes Bovine Carboxypeptidase A, an enzyme produced in the pancreas which hydrolyses C-terminal peptide bonds.

In a single precipitin arc against anti-rabbit serum as well as purified and partially purified bovine pancreatic carboxypeptidase A.

### **Species Cross Reactivity**

Reacts with Mouse

**N.B.** Antibody reactivity and working conditions may vary between species.

### **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 dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.**  
**Not for diagnostic or therapeutic use.**



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### Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			
Immunohistology - Paraffin			•	
Immunohistology - Resin			•	
Immunofluorescence	•			
Western Blotting	•			
Elisa	•			1/2,000 - 1/20,000

**Note: Other applications have not been tested. Optimal dilutions should be determined.**

### Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

### References

1. Gao, N. *et al.* (2008) Dynamic regulation of Pdx1 enhancers by Foxa1 and Foxa2 is essential for pancreas development. *Genes Dev.* 22: 3435-48.
2. Elghazi, L. *et al.* (2002) Role for FGFR2IIIb-mediated signals in controlling pancreatic endocrine progenitor cell proliferation. *Proc Natl Acad Sci U S A.* 99: 3884-9.
3. Kang, H.S. *et al.* (2009) Transcription factor Glis3, a novel critical player in the regulation of pancreatic beta-cell development and insulin gene expression. *Mol Cell Biol.* 29: 6366-79.
4. Kim, S.K. and Melton, D.A. (1998) Pancreas development is promoted by cyclopamine, a hedgehog signaling inhibitor. *Proc Natl Acad Sci U S A.* 95: 13036-41.

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