

Datasheet for 200-401-049S**Carboxypeptidase B Antibody****Overview**

Description:	Anti-Carboxypeptidase B (RABBIT) Antibody - 200-401-049S
Item No.:	200-401-049S
Size:	25 µL
Applications:	ELISA, WB
Reactivity:	Pig
Host Species:	Rabbit

Product Details

Background:	Carboxypeptidase B is a carboxypeptidase that preferentially acts upon basic amino acids, such as arginine and lysine. This serum enzyme is also responsible for rapidly metabolizing the C5a protein into C5a des-Arg, with one less amino acid. Anti-CARBOXYPEPTIDASE B is ideal for investigators researching enzyme antibodies.
Synonyms:	rabbit anti-Carboxypeptidase B antibody, CarboxypeptidaseB1 antibody, CP B1 antibody, CPB 1 antibody, CPB antibody, CPB1 antibody, DKFZp779K1333 antibody, Pancreas specific protein antibody, Pancreatic carboxypeptidase B1 antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CPB1
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Carboxypeptidase B [Porcine Pancreas]

Purity/Specificity: Anti-CARBOXYPEPTIDASE B is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Carboxypeptidase B [Porcine Pancreas]. Cross reactivity against Carboxypeptidase B from other tissues and species may occur but have not been specifically determined.

Relevant Links:

- [UniProtKB - P09955](#)
- [NCBI - NP_999334.1](#)
- [GeneID - 397341](#)

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Carboxypeptidase B antibody has been tested by ELISA and western blot and is suitable for Immunohistochemistry applications. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:2,000 - 1:10,000
IHC:	1:250 - 1:1,000
WB:	1:500- 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

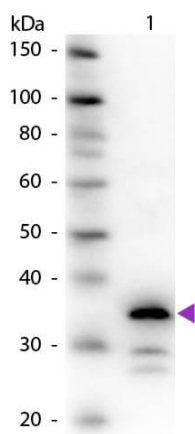
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit Anti-Carboxypeptidase B antibody.
 Lane 1: Carboxypeptidase B. Lane 2: None. Load: 50 ng per lane. Primary antibody: Carboxypeptidase B primary antibody at 1:1,000 overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Blocking: MB-070 for 30 min at RT.
 Predicted/Observed size: 35 kDa, 35 kDa for Carboxypeptidase B. Other band(s): Carboxypeptidase B splice variants and isoforms.

References

- Zhang P et al. The PERK eukaryotic initiation factor 2α kinase is required for the development of the skeletal system, postnatal growth, and the function and viability of the pancreas. *Mol Cell Biol.* (2002)

Disclaimer

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