

Product datasheet

Anti-Carboxypeptidase A antibody [EPR12086] ab173283

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [4 References](#) [9 Images](#)

Overview

Product name	Anti-Carboxypeptidase A antibody [EPR12086]
Description	Rabbit monoclonal [EPR12086] to Carboxypeptidase A
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human Carboxypeptidase A aa 150-250 (Cysteine residue). The exact sequence is proprietary. Database link: P15085
Positive control	Human, mouse and rat pancreas lysates; Human pancreas tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR12086
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab173283 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

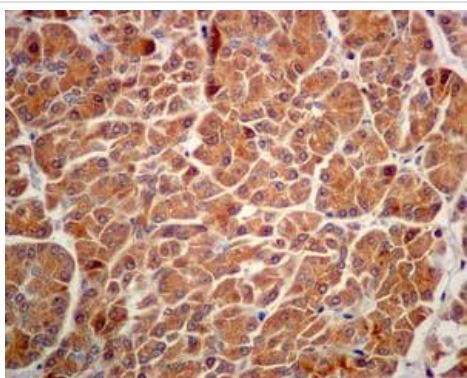
Application	Abreviews	Notes
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The use of an HRP/AP polymerized secondary antibody is recommended.
WB	★★★★★ (1)	1/1000 - 1/5000. Predicted molecular weight: 47 kDa.

Application notes Is unsuitable for ICC/IF or IP.

Target

Function	Carboxypeptidase that catalyzes the release of a C-terminal amino acid, but has little or no action with -Asp, -Glu, -Arg, -Lys or -Pro.
Sequence similarities	Belongs to the peptidase M14 family.
Cellular localization	Secreted.

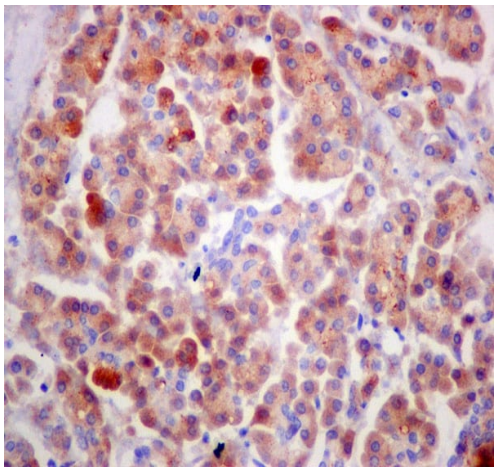
Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human pancreas tissue, labeling Carboxypeptidase A1 using ab173283 at a 1/250 dilution.

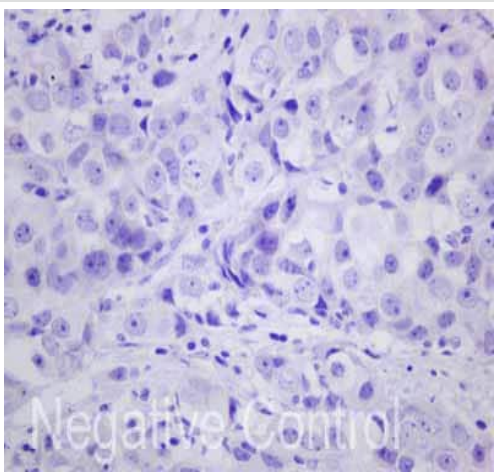
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)



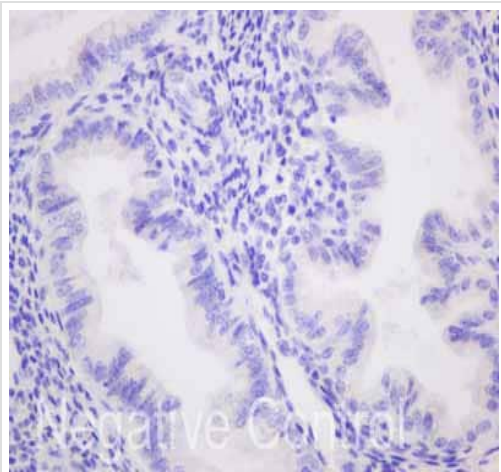
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

ab173283 showing +ve staining in Human normal pancreas tissue.
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

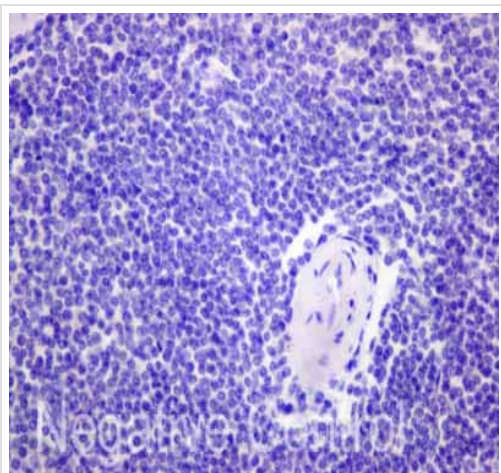
ab173283 showing -ve staining in Human breast carcinoma tissue.
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

ab173283 showing -ve staining in Human normal uterus tissue.

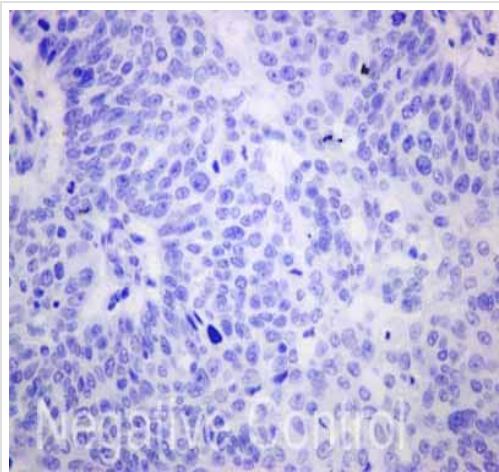
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

ab173283 showing -ve staining in Human normal spleen tissue.

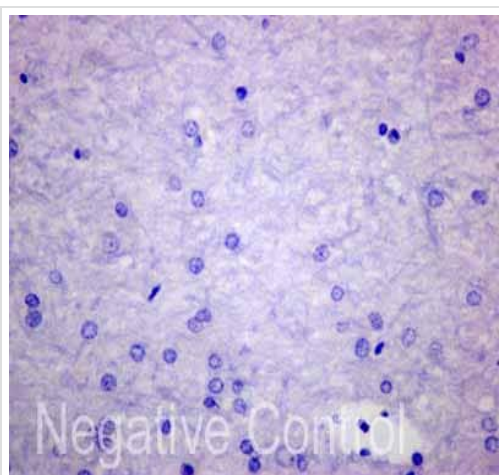
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

ab173283 showing -ve staining in Human cervical carcinoma tissue.

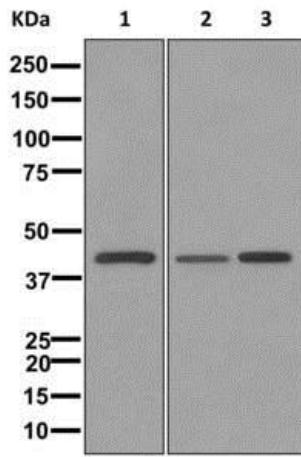
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

ab173283 showing -ve staining in Human normal brain tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

All lanes : Anti-Carboxypeptidase A antibody [EPR12086] (ab173283) at 1/1000 dilution

Lane 1 : Human pancreas lysate

Lane 2 : mouse pancreas lysate

Lane 3 : rat pancreas lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 47 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Carboxypeptidase A antibody [EPR12086] (ab173283)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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