

Chromogranin A Monoclonal Antibody (SP12)

Product Details	
Size	500 µL
Species	Human, Rat
Published Species	Human
Expression System	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	SP12
Conjugate	Unconjugated
Immunogen	Recombinant protein encoding human chromogranin A
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	tissue culture supernatant diluted in TBS, pH 7.5, with 1% BSA
Contains	0.1% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10978165

Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100	1 Publication
Western Blot (WB)	1:500-1:5000	1 Publication
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (IHC)	-	8 Publications

Product Specific Information

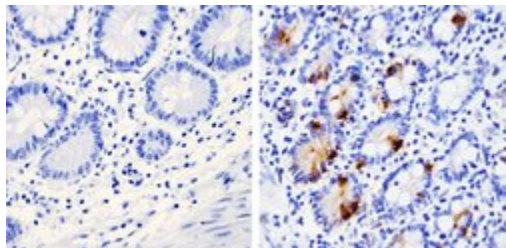
MA5-14536 targets Chromogranin A in WB, and IHC (P) applications and shows reactivity with Human and Rat samples. This antibody does not cross-react with mouse tissues in IHC applications.

The MA5-14536 immunogen is recombinant protein encoding human chromogranin A.

Product Images For Chromogranin A Monoclonal Antibody (SP12)

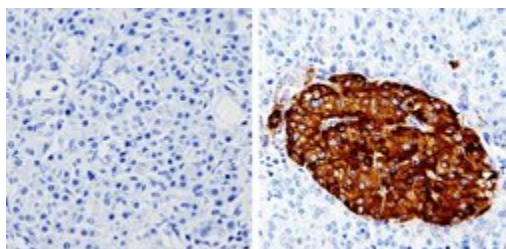
Chromogranin A Antibody (MA5-14536) in IHC (P)

Immunohistochemistry analysis of Chromogranin A showing staining in the cytoplasm of paraffin-treated human small intestine tissue (right) compared with a negative control in the absence of primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with a Chromogranin A monoclonal antibody (Product # MA5-14536) diluted by 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



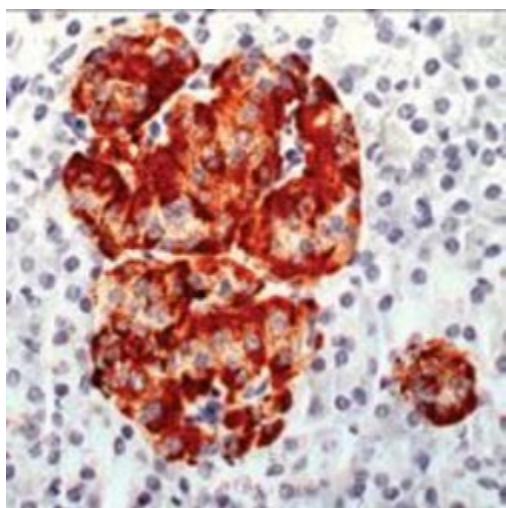
Chromogranin A Antibody (MA5-14536) in IHC (P)

Immunohistochemistry analysis of Chromogranin A showing staining in the cytoplasm of paraffin-treated human pancreas tissue (right) compared with a negative control in the absence of primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H₂O₂-methanol for 15 min at room temperature, washed with ddH₂O and PBS, and then probed with a Chromogranin A monoclonal antibody (Product # MA5-14536) diluted by 3% BSA-PBS at a dilution of 1:500 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



Chromogranin A Antibody (MA5-14536) in IHC

Formalin-fixed, paraffin-embedded human pancreas stained with Chromogranin A using peroxidase-conjugate and AEC. Note cytoplasmic staining of islet cells



[View more figures on thermofisher.com](https://www.thermofisher.com)

11 References

Western Blot (1)

Nature communications

Irp2 regulates insulin production through iron-mediated Cdkal1-catalyzed tRNA modification.

"Published figure using Chromogranin A monoclonal antibody (Product # MA5-14536) in Western Blot"

Authors: Santos MCFD, Anderson CP, Neschen S, Zumbrennen-Bullough KB, Romney SJ, Kahle-Stephan M, Rathkolb B, Gailus-Durner V, Fuchs H, Wolf E, Rozman J, de Angelis MH, Cai WM, Rajan M, Hu J, Dedon PC, Leibold EA

Species
Not Applicable

Dilution
Not Cited

Year
2020

Immunofluorescence (1)

Stem cell research and therapy

Differentiation of human pluripotent stem cells into two distinct NKX6.1 populations of pancreatic progenitors.

"Published figure using Chromogranin A monoclonal antibody (Product # MA5-14536) in Immunofluorescence"

Authors: Aigha II, Memon B, Elsayed AK, Abdelalim EM

Species
Not Applicable

Dilution
Not Cited

Year
2018

Immunohistochemistry (Paraffin) (1)

Contemporary oncology (Poznan, Poland)

Histological characterisation and prognostic evaluation of 62 gastric neuroendocrine carcinomas.

"MA514536 was used in immunohistochemistry - paraffin section to find prognostic factors for gastric neuroendocrine carcinoma"

Authors: Deng Y, Chen X, Ye Y, Shi X, Zhu K, Huang L, Zhang S, Ying M, Lin X

Species
Human

Dilution
1:100

Year
2016

Immunohistochemistry (8)

Balkan medical journal

The Ewing's Sarcoma Family of Tumors of Urinary Bladder: A Case Report and Review of the Literature.

"MA514536 was used in immunohistochemistry to discuss the characteristics of Ewing's Sarcoma family of tumors of urinary bladder"

Authors: Tonyal, Yazc S, Yeilrmak A, Ergen A

Species
Human

Dilution
1:50

Year
2016

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More applications with references on thermofisher.com

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