Anti-ADAM17 Recombinant Rabbit Monoclonal Antibody

Catalog #: 5258

Aliases

ADAM17; ADAM Metallopeptidase Domain 17; CSVP; CD156B; TACE; Disintegrin And Metalloproteinase Domain-Containing Protein 17 ; Tumor Necrosis Factor, Alpha, Converting Enzyme; A Disintegrin And Metalloproteinase 17; Cartilage Snake Venom-Like Protease ; TNF-Alpha Convertase Enzyme; Snake Venom-Like Protease; TNF-Alpha Convertase; EC 3.4.24.86; ADAM Metallopeptidase Domain 18; TNF-Alpha Converting Enzyme; TNF-Alpha-Converting Enzyme; CD156b Antigen; ADAM 17; ADAM18; NISBD1; NISBD

Background

Gene Name: ADAM17
NCBI Gene Entry: 6868
UniProt Entry: P78536

Application Information

Molecular Weight: Predicted, 100 kDa; observed, 100 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 25GB395
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunohistochemistry (IHC),immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human ADAM 17

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000
Flow Cytometry (FCM): 1:2,000

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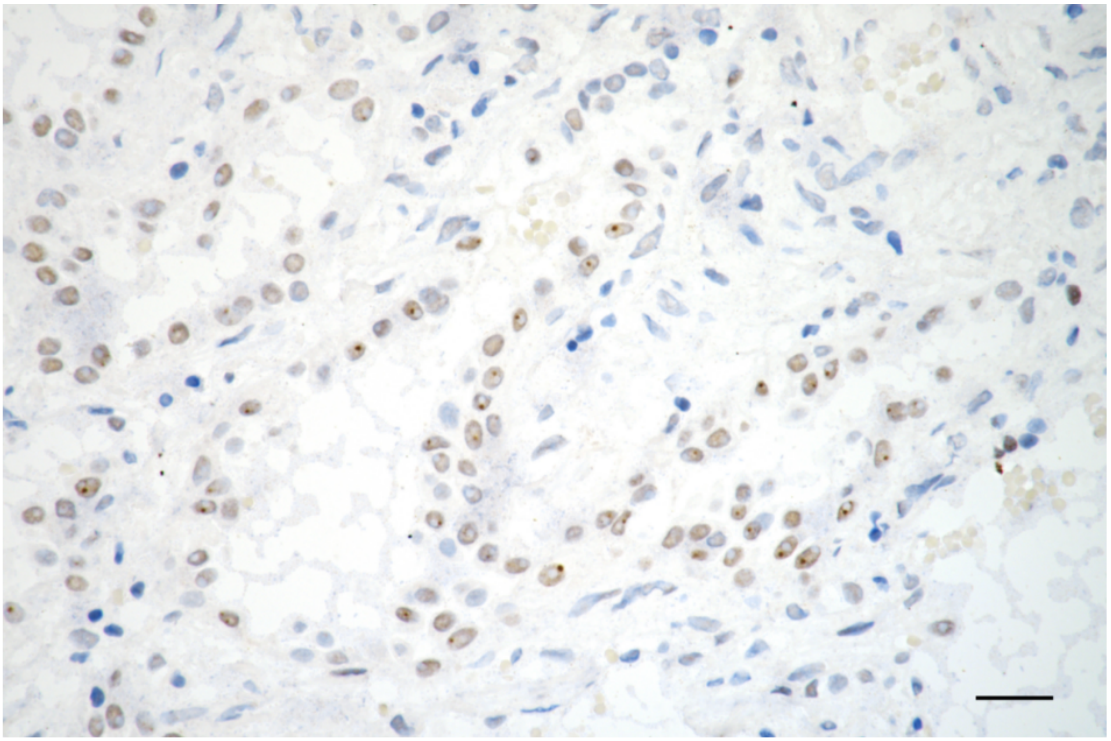
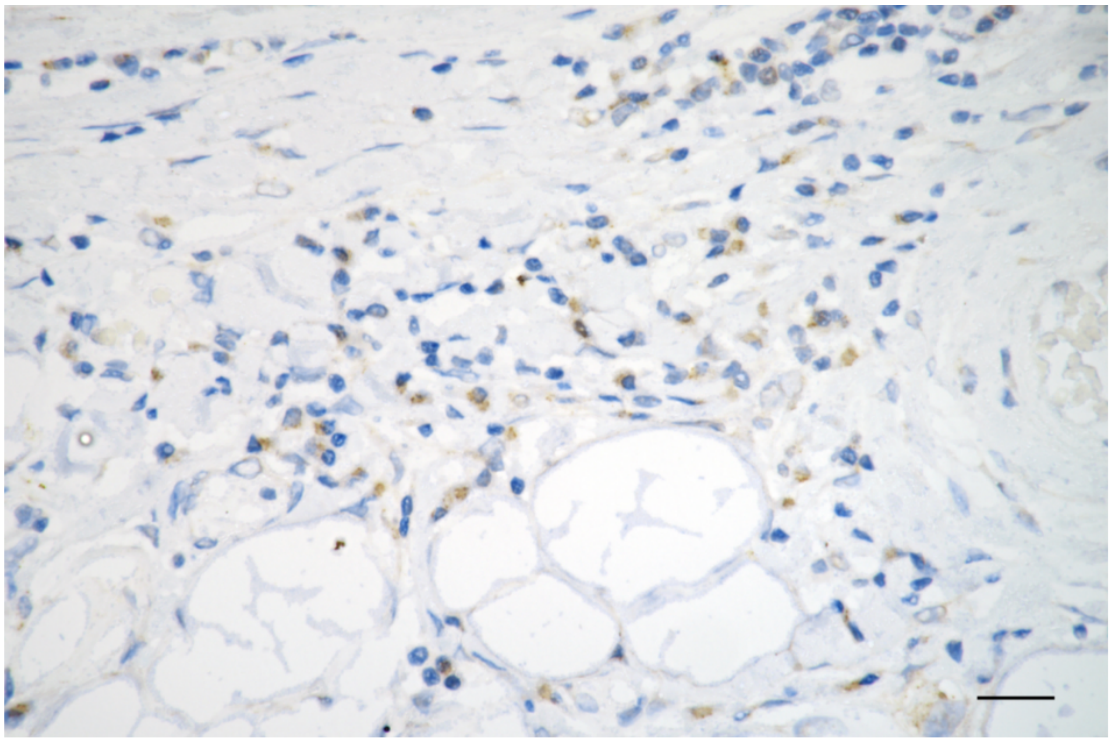
Immunohistochemistry (IHC): 1:100-1:200
Immunocytochemistry (IC): 1:100-1:1,000

Note: This product is for research use only.

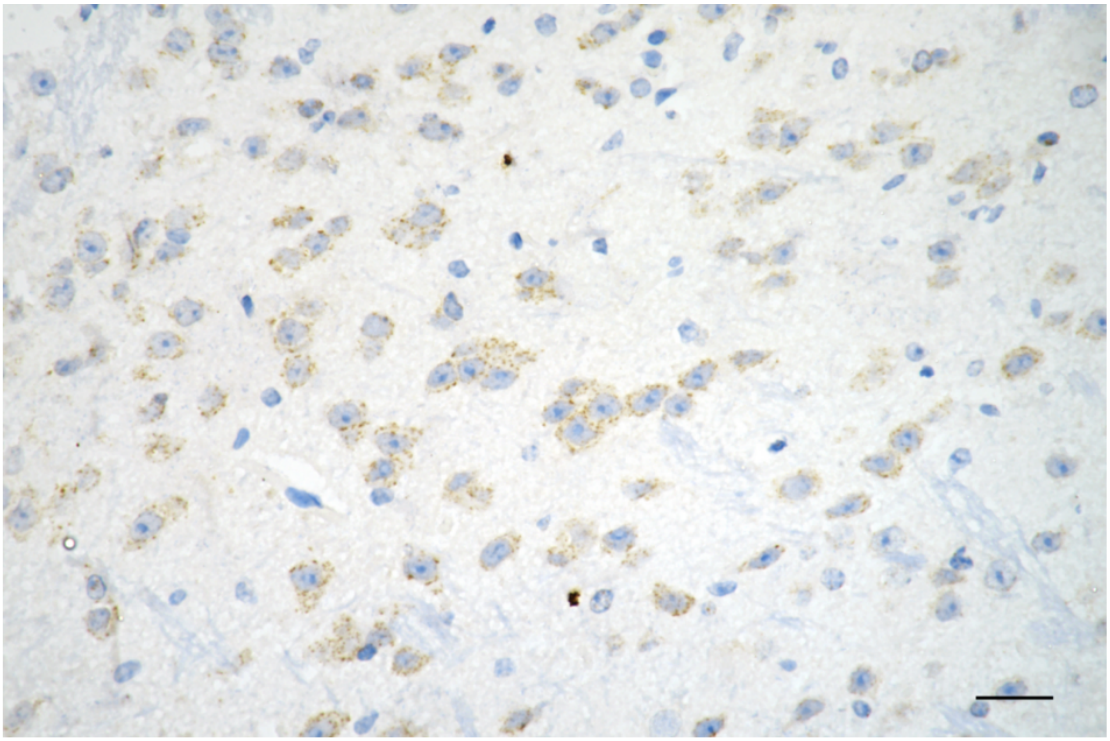
Validation Data



Immunohistochemistry was performed on paraffin-embedded human lung adenocarcinoma using anti-ADAM17 antibody (Cat#5258, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.

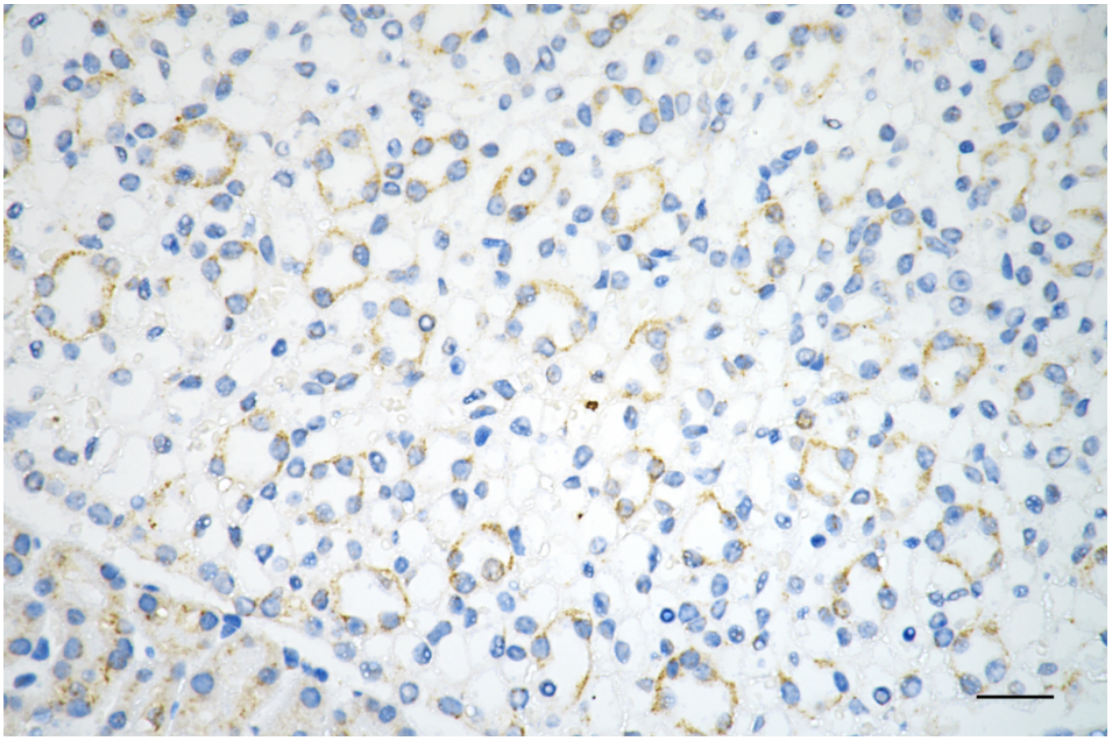


Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using anti-ADAM17 antibody (Cat#5258, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunohistochemistry was performed on paraffin-embedded mouse brain using anti-ADAM17

antibody (Cat#5258, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunohistochemistry was performed on paraffin-embedded mouse kidney using anti-ADAM17 antibody (Cat#5258, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.

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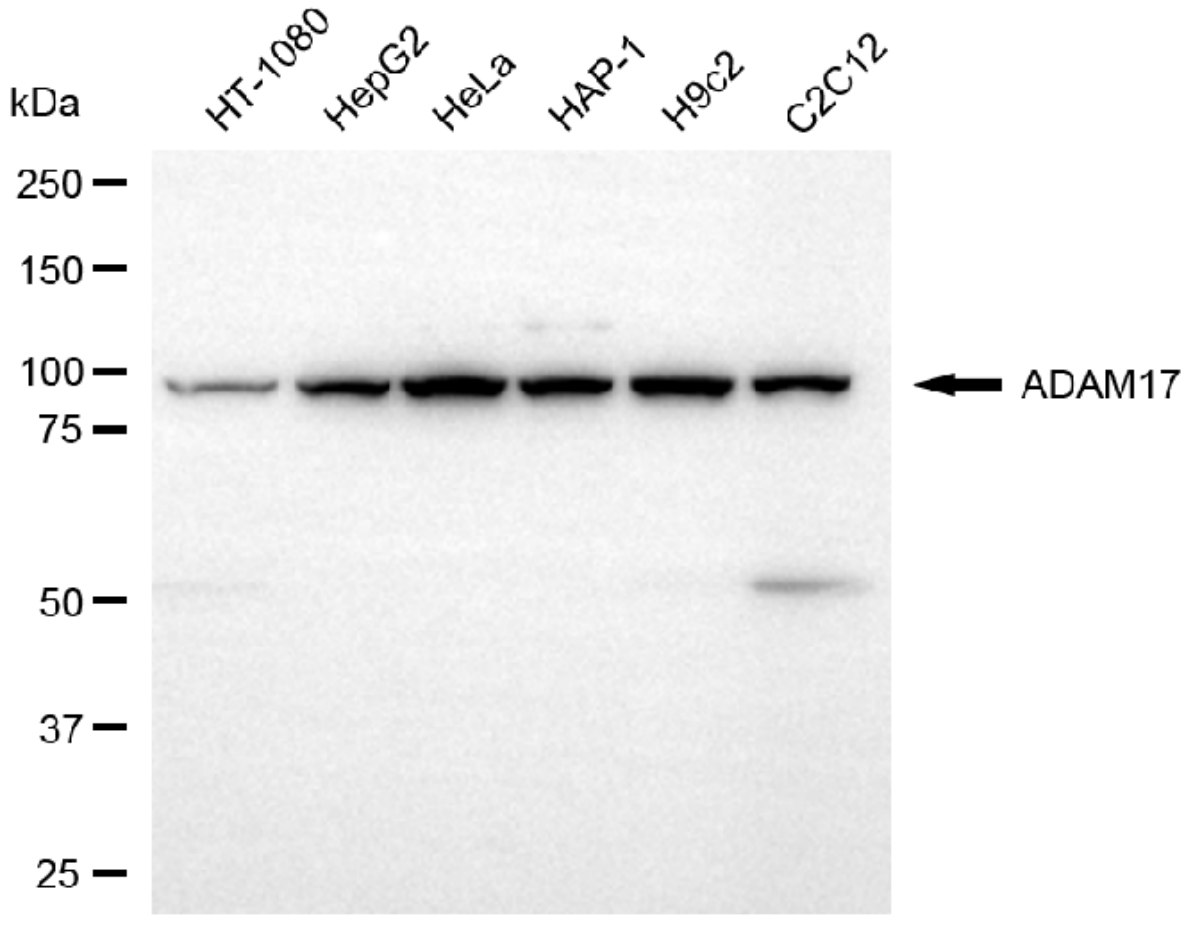
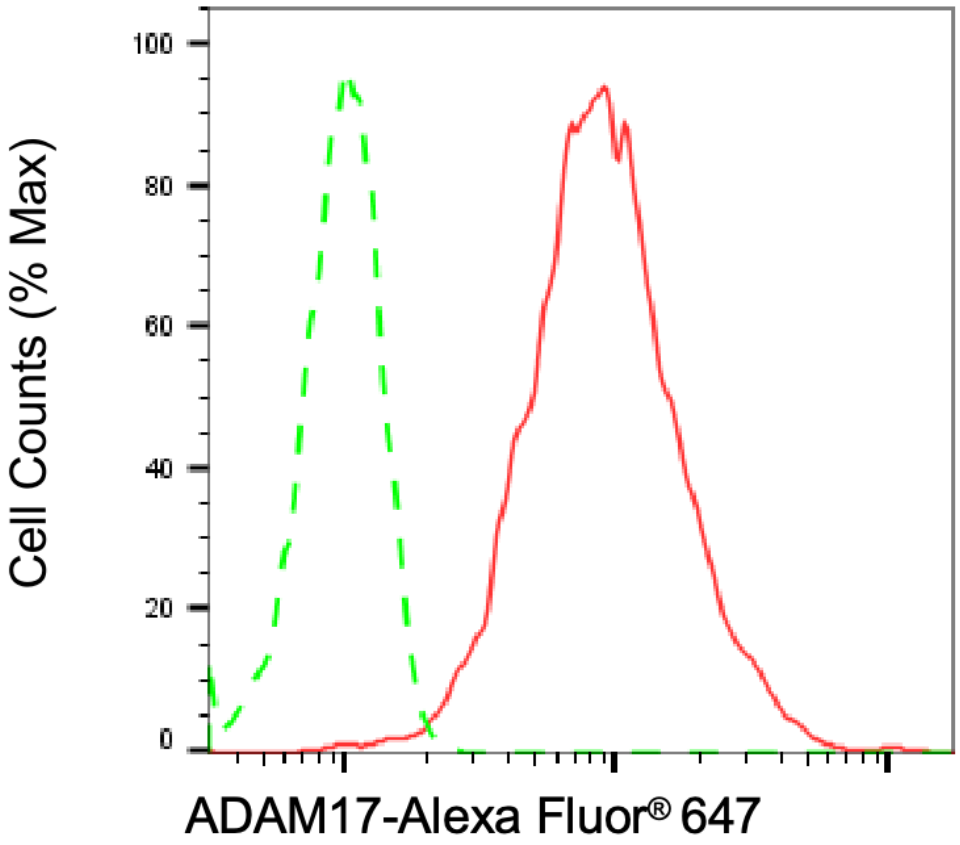
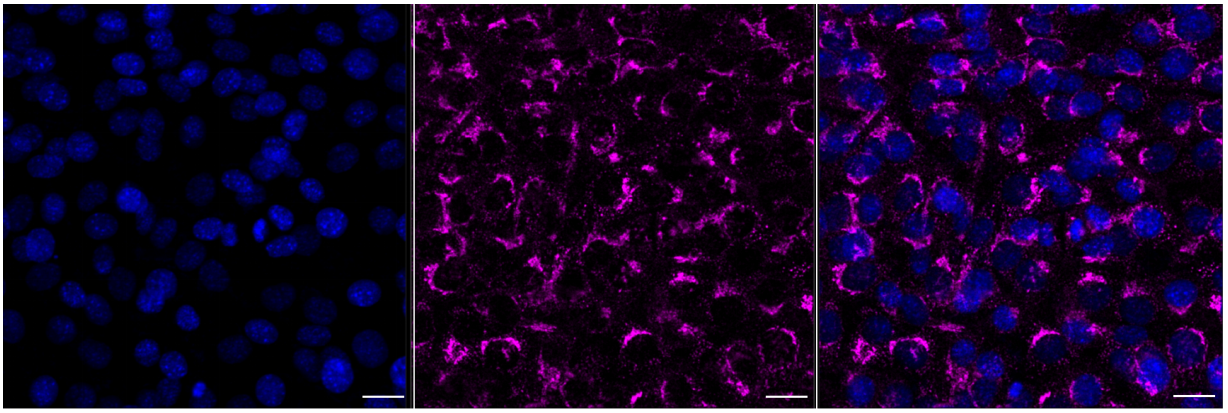


Western blotting analysis using anti-ADAM17 antibody (Cat#5258). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ADAM17 antibody (Cat#5258, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Flow cytometric analysis of ADAM17 expression in C2C12 cells using anti-ADAM17 antibody (Cat#5258, 1:2,000). Green, isotype control; red, ADAM17.



Immunocytochemical staining of C2C12 cells with anti-ADAM17 antibody (Cat#5258, 1:1,000) . Nuclei were stained blue with DAPI; ADAM17 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.