

Product datasheet

Anti-Annexin-7/ANXA7 antibody [EPR17090] ab197586

Recombinant RabMAb

[5 References](#) [7 Images](#)

Overview

Product name	Anti-Annexin-7/ANXA7 antibody [EPR17090]
Description	Rabbit monoclonal [EPR17090] to Annexin-7/ANXA7
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF, Flow Cyt (Intra)
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Jurkat whole cell lysate, SH-SY5Y whole cell lysate, Rat brain lysate, C6 whole cell lysate, Raw264.7 whole cell lysate, PC-12 whole cell lysate, NIH/3T3 whole cell lysate, Human cervix carcinoma tissue, Mouse liver tissue, Neuro-2a cells, SH-SY5Y cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17090

Applications

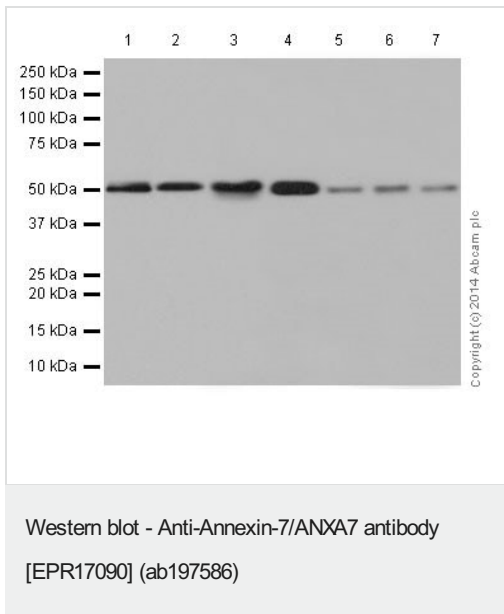
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab197586 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Detects a band of approximately 53 kDa (predicted molecular weight: 53 kDa).
IHC-P		1/600. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.
Flow Cyt (Intra)		1/60. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Target

Function	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.
Tissue specificity	Isoform 1 is expressed in brain, heart and skeletal muscle. Isoform 2 is more abundant in liver, lung, kidney, spleen, fibroblasts and placenta.
Sequence similarities	Belongs to the annexin family. Contains 4 annexin repeats.
Domain	A pair of annexin repeats may form one binding site for calcium and phospholipid.

Images



All lanes : Anti-Annexin-7/ANXA7 antibody [EPR17090] (ab197586) at 1/2000 dilution

Lane 1 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

Lane 2 : SH-SY5Y (Human neuroblastoma from bone marrow cells) whole cell lysate

Lane 3 : Rat brain lysate

Lane 4 : C6 (Rat glial tumor cells) whole cell lysate

Lane 5 : Raw264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate

Lane 6 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lane 7 : NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

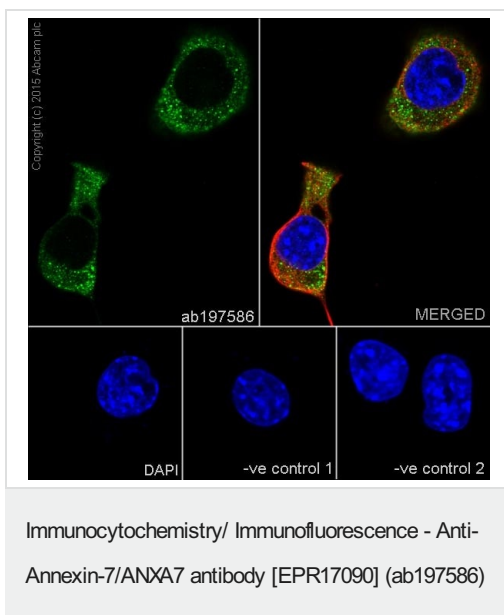
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 53 kDa

Observed band size: 53 kDa

Exposure time: 3 minutes

Blocking and diluting buffer was 5% NFDM /TBST



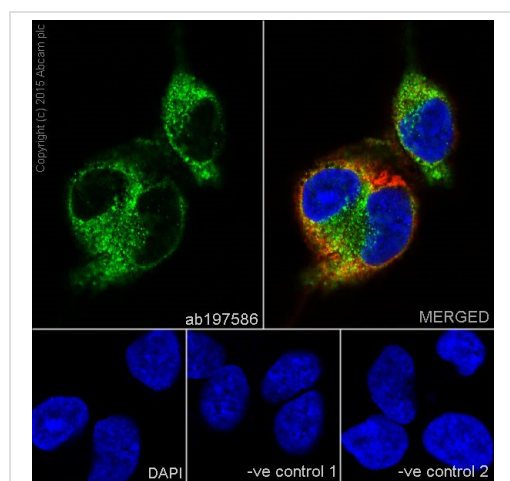
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized Neuro-2a (Mouse neuroblastoma cells) cells labeling ANXA7 with ab197586 at 1/100, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/500 (green). Cytoplasm staining on Neuro-2a cell line is observed. Subcellular location is cited as Cytoplasm [J Cell Sci. 1995 Jan;108 (Pt 1):85-95.] The nuclear counterstain is DAPI (blue). Tubulin is detected with [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000 and [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 (red).

The negative controls are as follows:-

-ve control 1 - [ab179586](#) at 1/100 followed by [ab150120](#) (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500.

-ve control 2. - [ab7291](#) (anti-Tubulin mouse mAb) at 1/1000

followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500.



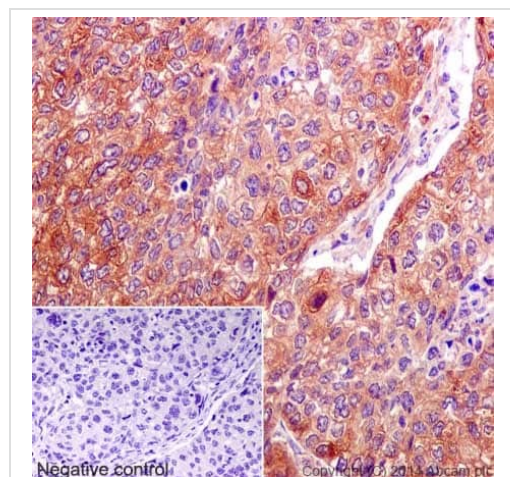
Immunocytochemistry/ Immunofluorescence - Anti-Annexin-7/ANXA7 antibody [EPR17090] (ab197586)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized SH-SY5Y (Human neuroblastoma from bone marrow cells) cells labeling ANXA7 with ab197586 at 1/100, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/500 (green). Cytoplasm staining on SH-SY5Y cell line is observed. Subcellular location is cited as Cytoplasm [J Cell Sci. 1995 Jan;108 (Pt 1):85-95.] The nuclear counterstain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500 (red).

The negative controls are as follows:-

-ve control 1 - **ab179586** at 1/100 followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/500.

-ve control 2. - **ab7291** (anti-Tubulin mouse mAb) at 1/1000 followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/500.

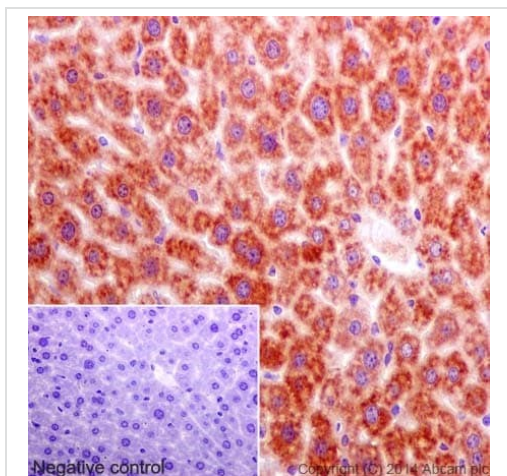


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-7/ANXA7 antibody [EPR17090] (ab197586)

Immunohistochemical analysis of paraffin-embedded Human cervix carcinoma tissue labeling ANXA7 with ab197586 at 1/600 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500. Cytoplasm staining on Human cervix carcinoma tissue is observed. Subcellular location cited as Cytoplasm [J Cell Sci. 1995 Jan;108 (Pt 1):85-95.]. Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary ab, secondary ab is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



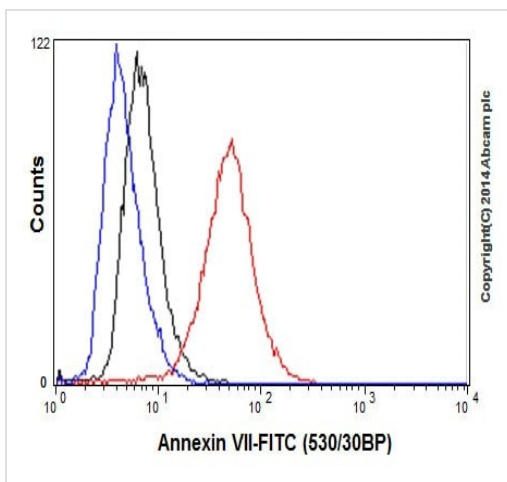
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-7/ANXA7 antibody [EPR17090] (ab197586)

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling ANXA7 with ab197586 at 1/600 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500. Cytoplasm staining on Mouse liver tissue is observed. Subcellular location cited as Cytoplasm [J Cell Sci. 1995 Jan;108 (Pt 1):85-95].

Counter stained with Hematoxylin.

Negative control: Used PBS instead of primary ab, secondary ab is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-Annexin-7/ANXA7 antibody [EPR17090] (ab197586)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed SH-SY5Y (Human neuroblastoma from bone marrow) cells labeling ANXA7 with ab197586 at 1/60 (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**) (black) and a unlabelled control (cells without incubation with primary antibody and secondary antibody (blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.

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-Annexin-7/ANXA7 antibody [EPR17090]
(ab197586)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors