

Product datasheet

Anti-Annexin-6/ANXA6 antibody [EPR19517] α b201023

KO VALIDATED Recombinant RabMAb

9 Images

Overview

Product name	Anti-Annexin-6/ANXA6 antibody [EPR19517]
Description	Rabbit monoclonal [EPR19517] to Annexin-6/ANXA6
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver, fetal heart, fetal kidney and fetal spleen lysates; A549, HeLa, Jurkat, Raji, C6, NIH/3T3 and PC-12 whole cell lysates; Mouse brain, heart, spleen and kidney lysates; Rat brain, heart, kidney and spleen lysates. IHC-P: Human tonsil, pancreas and stomach tissues. IP: Human fetal liver whole cell lysate.
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	EPR19517

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab201023 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		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 72 kDa (predicted molecular weight: 76 kDa).
IP		1/40.

Target

Function

May associate with CD21. May regulate the release of Ca(2+) from intracellular stores.

Sequence similarities

Belongs to the annexin family.

Contains 8 annexin repeats.

Domain

A pair of annexin repeats may form one binding site for calcium and phospholipid.

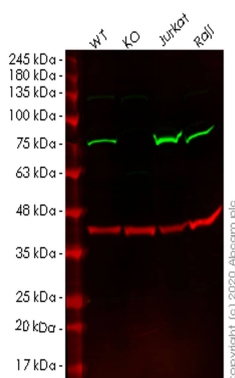
Post-translational modifications

Phosphorylated in response to growth factor stimulation.

Cellular localization

Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



Western blot - Anti-Annexin-6/ANXA6 antibody [EPR19517] (ab201023)

All lanes : Anti-Annexin-6/ANXA6 antibody [EPR19517] (ab201023) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : ANXA6 knockout HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : Raji cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

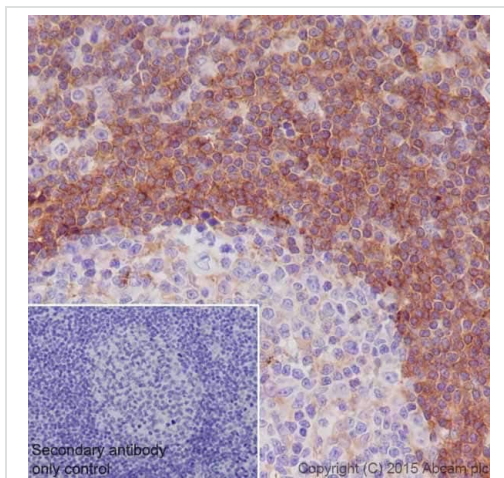
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 76 kDa

Observed band size: 75 kDa

Lanes 1-4: Merged signal (red and green). Green - ab201023 observed at 75 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

ab201023 Anti-Annexin-6/ANXA6 antibody [EPR19536] was shown to specifically react with 6/ANXA6 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265677](#) (knockout cell lysate [ab257351](#)) was used. Wild-type and 6/ANXA6 knockout samples were subjected to SDS-PAGE. ab201023 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated at room temperature for 2.5 hours at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Annexin-6/ANXA6 antibody [EPR19517] (ab201023)

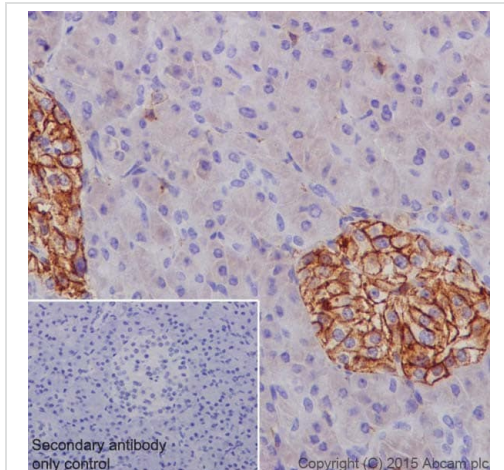
Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling Annexin-6/ANXA6 with ab201023 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Cytoplasm staining on lymphocytes of Human tonsil is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

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-6/ANXA6 antibody [EPR19517] (ab201023)

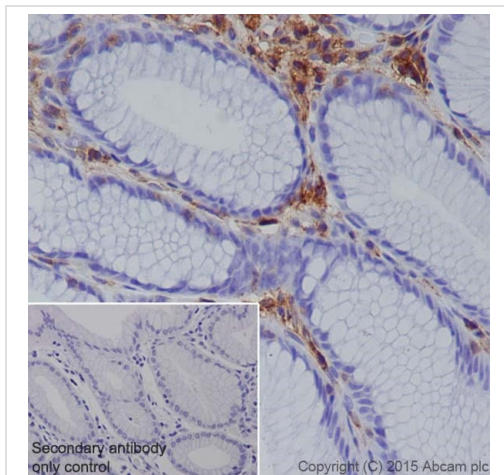
Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling Annexin-6/ANXA6 with ab201023 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Membrane staining on Human pancreas islet is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

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-6/ANXA6 antibody [EPR19517] (ab201023)

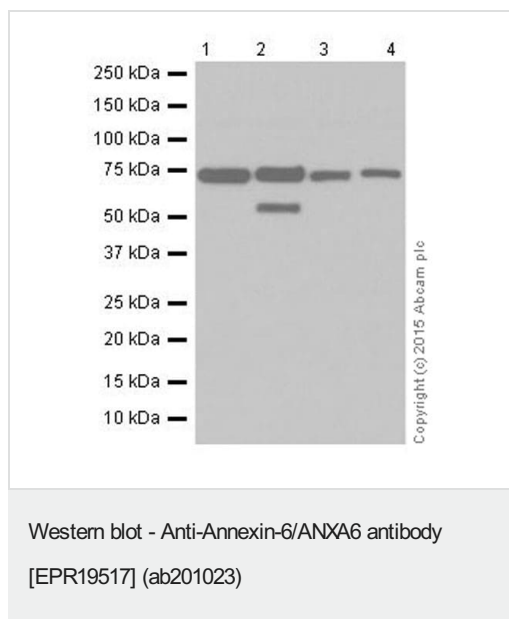
Immunohistochemical analysis of paraffin-embedded Human stomach tissue labeling Annexin-6/ANXA6 with ab201023 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Cytoplasm staining on stromal cells of Human stomach is observed.

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

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



All lanes : Anti-Annexin-6/ANXA6 antibody [EPR19517] (ab201023) at 1/5000 dilution

Lane 1 : Human fetal liver lysate

Lane 2 : Human fetal heart lysate

Lane 3 : Human fetal kidney lysate

Lane 4 : Human fetal spleen lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

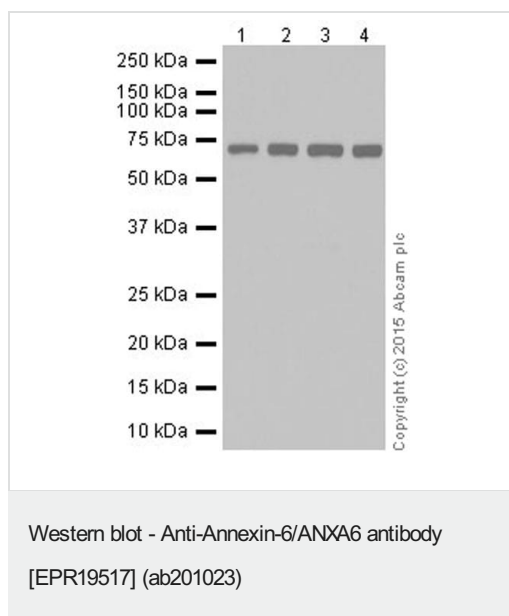
Predicted band size: 76 kDa

Observed band size: 72 kDa

Exposure time: 5 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

There was an additional band detected in the heart lysate.



All lanes : Anti-Annexin-6/ANXA6 antibody [EPR19517] (ab201023) at 1/1000 dilution

Lane 1 : A549 (Human lung carcinoma cell line) whole cell lysate

Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 3 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 4 : Raji (Human Burkitt's lymphoma cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at

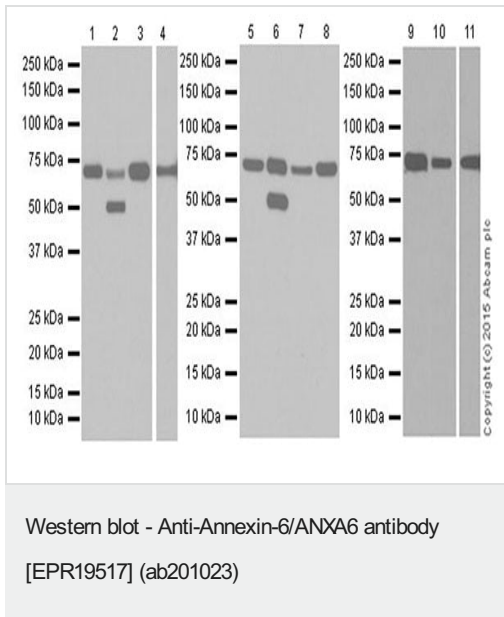
1/100000 dilution

Predicted band size: 76 kDa

Observed band size: 72 kDa

Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-Annexin-6/ANXA6 antibody [EPR19517] (ab201023) at 1/1000 dilution

Lane 1 : Mouse brain lysate at 10 µg

Lane 2 : Mouse heart lysate at 10 µg

Lane 3 : Mouse spleen lysate at 10 µg

Lane 4 : Mouse kidney lysate at 10 µg

Lane 5 : Rat brain lysate at 10 µg

Lane 6 : Rat heart lysate at 10 µg

Lane 7 : Rat kidney lysate at 10 µg

Lane 8 : Rat spleen lysate at 10 µg

Lane 9 : C6 (Rat glial tumor cell line) whole cell lysate at 20 µg

Lane 10 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate at 10 µg

Lane 11 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate at 10 µg

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

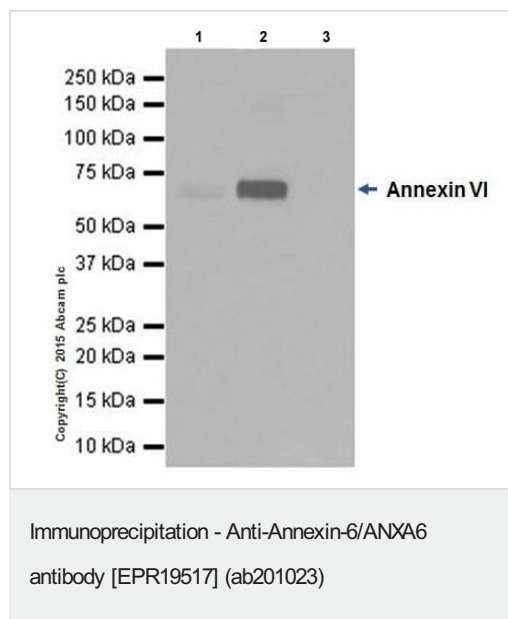
Predicted band size: 76 kDa

Observed band size: 72 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: Lane 1,2 and 3: 15 seconds; Lane 4: 3 minutes; Lane 5,6,7 and 8: 15 seconds; Lane 9 and 10: 5 seconds; Lane 11: 3 minutes.

There was an additional band detected in the heart lysate.



Annexin-6/ANXA6 was immunoprecipitated from 1mg of Human fetal liver whole cell lysate with ab201023 at 1/40 dilution.

Western blot was performed from the immunoprecipitate using ab201023 at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

Lane 1: Human fetal liver whole cell lysate, 10µg (Input).

Lane 2: ab201023 IP in Human fetal liver whole cell lysate.

Lane 3: Rabbit IgG,monoclonal [EPR25A] - Isotype Control - ([ab172730](#)) instead of ab201023 in Human fetal liver whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-Annexin-6/ANXA6 antibody [EPR19517] (ab201023)

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

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