


## Product datasheet

# Anti-Annexin V/ANXA5 antibody ab137823

[4 Images](#)

### Overview

---

<b>Product name</b>	Anti-Annexin V/ANXA5 antibody
<b>Description</b>	Rabbit polyclonal to Annexin V/ANXA5
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow 
<b>Immunogen</b>	Recombinant fragment corresponding to Human Annexin V/ANXA5 aa 70-285.
<b>Positive control</b>	293T, A431, H1299, HeLa, HepG2, Molt-4, Raji and mouse brain whole cell lysates Flow cyt: HeLa cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

---

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137823 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
Flow Cyt		1/50 - 1/200.
WB		1/500 - 1/3000. Predicted molecular weight: 35 kDa.

## Target

### Function

This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.

### Involvement in disease

Pregnancy loss, recurrent, 3

### Sequence similarities

Belongs to the annexin family.  
Contains 4 annexin repeats.

### Domain

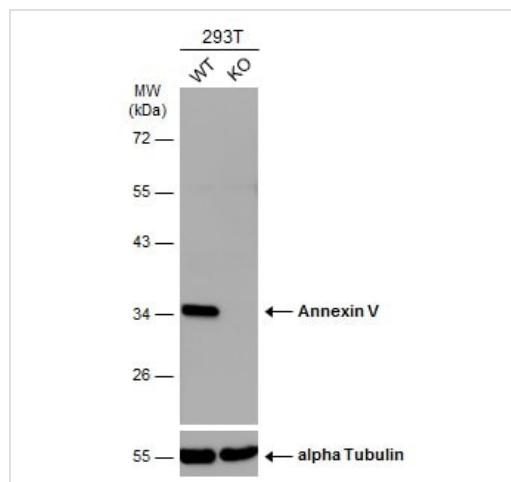
The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.

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

### Post-translational modifications

S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

## Images



Western blot - Anti-Annexin V/ANXA5 antibody (ab137823)

**All lanes** : Anti-Annexin V/ANXA5 antibody (ab137823) at 1/5000 dilution

**Lane 1** : WT 293T cell extracts

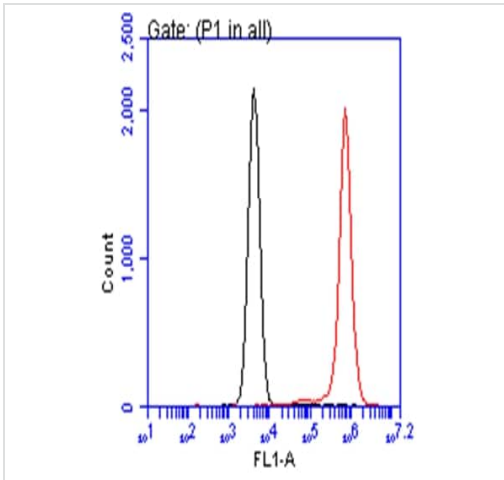
**Lane 2** : Annexin V/ANXA5 Knockout 293T cell extracts

Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes** : HRP-conjugated anti-rabbit IgG

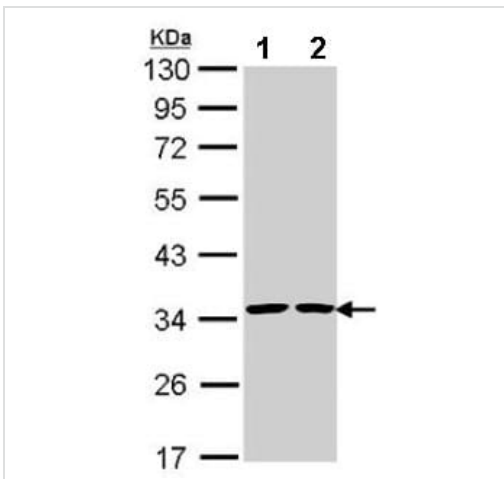
**Predicted band size:** 35 kDa



Flow Cytometry - Anti-Annexin V/ANXA5 antibody (ab137823)

Flow cytometric analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Annexin V/ANXA5 using ab137823 at 1/50 dilution (red) compared to an unlabeled control (black).

A Dylight 488 secondary antibody was used.



Western blot - Anti-Annexin V/ANXA5 antibody (ab137823)

**All lanes** : Anti-Annexin V/ANXA5 antibody (ab137823) at 1/1000 dilution

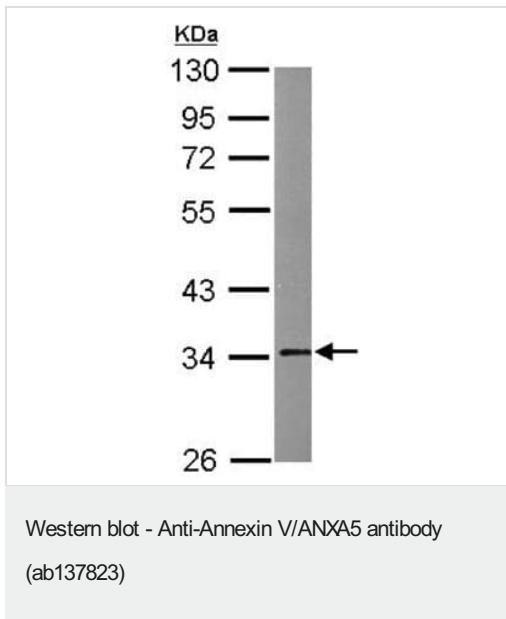
**Lane 1** : HeLa whole cell lysate

**Lane 2** : HepG2 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 35 kDa

10% SDS PAGE



Anti-Annexin V/ANXA5 antibody (ab137823) at 1/1000 dilution +  
 Mouse brain whole cell lysate at 50 µg

**Predicted band size:** 35 kDa

10% SDS PAGE

**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