

Product datasheet

Anti-Annexin V antibody [AN5] ab49823

KO 評価済

1 References 画像数 2

製品の概要

製品名	Anti-Annexin V antibody [AN5]
製品の詳細	Mouse monoclonal [AN5] to Annexin V
由来種	Mouse
アプリケーション	適用あり: Indirect ELISA, WB, ICC/IF
種交差性	交差種: Human
免疫原	Purified human annexin V
ポジティブ・コントロール	HeLa total cell extract.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
特記事項(精製)	Purified Mouse Immunoglobulin
ポリ/モノ	モノクローナル
クローン名	AN5
ミエローマ	NS1
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab49823** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

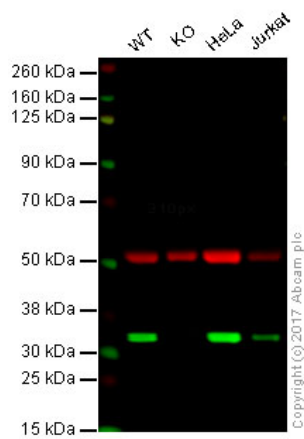
アプリケーション	Abreviews	特記事項
Indirect ELISA		Use at an assay dependent dilution.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 38 kDa.
ICC/IF		Use at an assay dependent dilution.

ターゲット情報

機能	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.
関連疾患	Pregnancy loss, recurrent, 3
配列類似性	Belongs to the annexin family. Contains 4 annexin repeats.
ドメイン	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.
翻訳後修飾	S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.

画像



Western blot - Anti-Annexin V antibody [AN5] (ab49823)

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

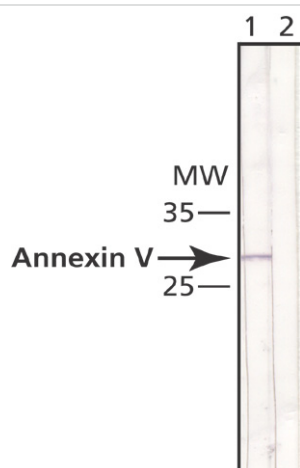
Lane 2: Annexin V knockout HAP1 whole cell lysate (20 µg)

Lane 3: HeLa whole cell lysate (20 µg)

Lane 4: Jurkat whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab49823 observed at 35 kDa. Red - loading control, ab176560, observed at 50 kDa.

ab49823 was shown to specifically react with Annexin V in wild-type cells as signal was lost in Annexin V knockout cells. Wild-type and Annexin V knockout samples were subjected to SDS-PAGE. Ab49823 and ab176560 (Rabbit anti-alpha Tubulin loading control) were incubated overnight at 4°C at 0.5 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed ab216772 and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed ab216777 secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Western blot - Annexin V antibody [AN5] (ab49823)

Anti-Annexin V antibody [AN5] (ab49823) at 0.5 µg/ml + HeLa total cell extract

Secondary

Goat Anti-Mouse, Alkaline Phosphatase conjugate

Predicted band size: 38 kDa

Observed band size: 29 kDa

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