

Product datasheet

Recombinant Human Annexin-2/ANXA2 protein ab93005

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Description

Product name	Recombinant Human Annexin-2/ANXA2 protein
Purity	> 95 % SDS-PAGE. Purified by 6xHis tag / Immobilized-metal affinity chromatography (IMAC).
Endotoxin level	< 0.250 Eu/ml
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Molecular weight information	41.3 kDa
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab93005** in the following tested applications.

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

Applications	SDS-PAGE Mass Spectrometry Western blot ELISA
Form	Liquid
Additional notes	This product was previously labelled as Annexin A2

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.4
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Constituent: 100% PBS

General Info

Function

Calcium-regulated membrane-binding protein whose affinity for calcium is greatly enhanced by anionic phospholipids. It binds two calcium ions with high affinity. May be involved in heat-stress response.

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.

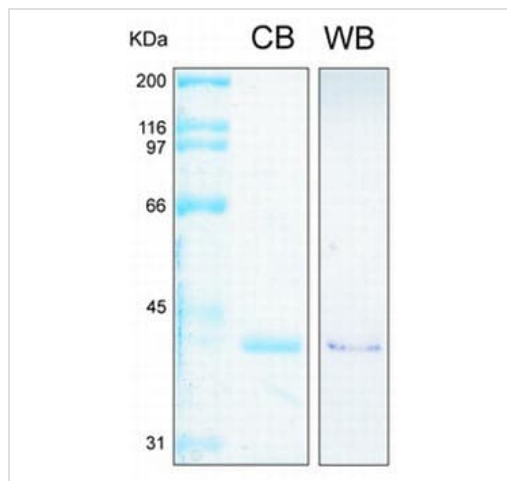
Post-translational modifications

Phosphorylation of Tyr-24 enhances heat stress-induced translocation to the cell surface.
ISGylated.

Cellular localization

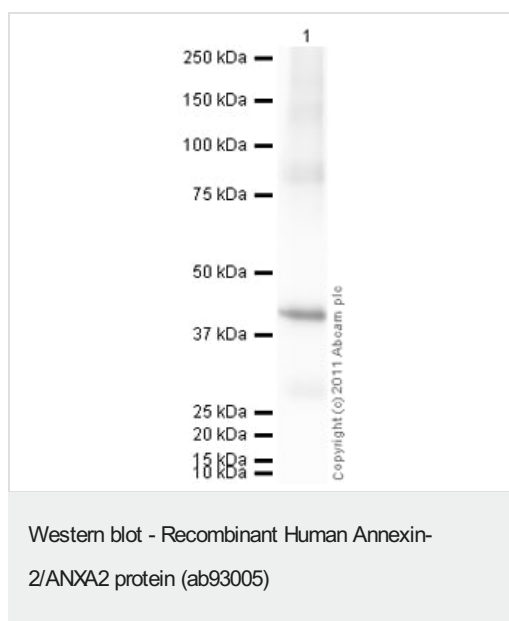
Secreted > extracellular space > extracellular matrix > basement membrane. Melanosome. In the lamina beneath the plasma membrane. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Translocated from the cytoplasm to the cell surface through a Golgi-independent mechanism.

Images



ab93005 analysed by 10% SDS-PAGE stained with Coomassie Blue (CB) and immunoblotted with anti-6x His serum (WB).

SDS-PAGE - Recombinant Human Annexin-2/ANXA2 protein (ab93005)



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