

Product datasheet

Anti-ANO6 antibody [EPR20910-105] **ab234422**

Recombinant **RabMAb**

3 Images

Overview

Product name	Anti-ANO6 antibody [EPR20910-105]
Description	Rabbit monoclonal [EPR20910-105] to ANO6
Host species	Rabbit
Tested applications	Suitable for: WB, IP Unsuitable for: Flow Cyt, ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IP: Mouse spleen lysate. WB: C6, NIH/3T3 whole cell lysate. Mouse and rat spleen tissue 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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20910-105
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab234422 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		1/1000. Predicted molecular weight: 106 kDa.
IP		1/30.

Application notes

Is unsuitable for Flow Cyt, ICC/IF or IHC-P.

Target

Function

May act as a calcium-activated chloride channel. It is essential for calcium-dependent exposure of phosphatidylserine on the surface of activated platelets, a process necessary to trigger the clotting system.

Tissue specificity

Expressed in embryonic stem cell, fetal liver, retina, chronic myelogenous leukemia and intestinal cancer.

Involvement in disease

Defects in ANO6 are the cause of Scott syndrome (SCOTTS) [MIM:262890]. A mild bleeding disorder due to impaired surface exposure of procoagulant phosphatidylserine (PS) on platelets and other blood cells, following activation with Ca(2+)-elevating agents.

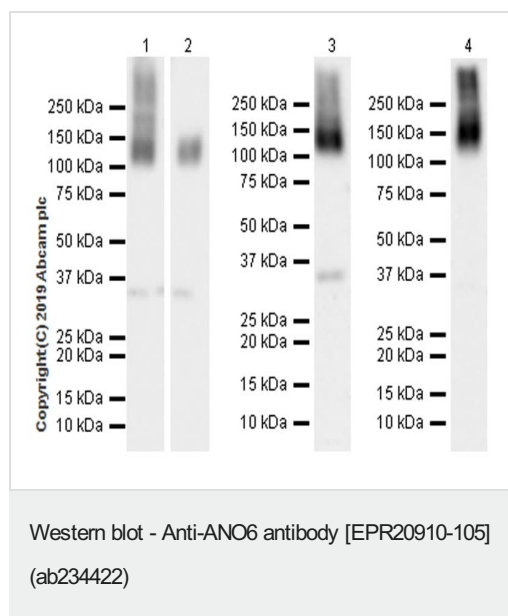
Sequence similarities

Belongs to the anoctamin family.

Cellular localization

Membrane.

Images



All lanes : Anti-ANO6 antibody [EPR20910-105] (ab234422) at 1/1000 dilution

Lane 1 : C6 (rat glial tumor glial cell), whole cell lysate

Lane 2 : NIH/3T3 (mouse embryonic fibroblast), whole cell lysate

Lane 3 : Mouse spleen tissue lysate

Lane 4 : Rat spleen tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

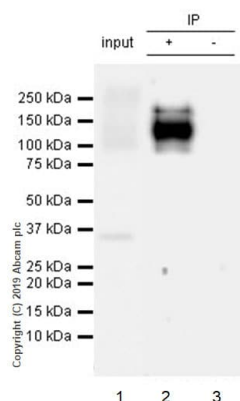
Predicted band size: 106 kDa

Observed band size: 120-250 kDa

The molecular weight observed is consistent with literatures (PMID: 29507235, PMID: 26417084, PMID: 27227820, PMID: 24478309).

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lanes 1-2: 37 secs; Lane 3: 124 secs; Lane 4: 70 secs.



Immunoprecipitation - Anti-ANO6 antibody
[EPR20910-105] (ab234422)

ANO6 was immunoprecipitated from 0.35 mg mouse spleen lysate with ab234422 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab234422 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used at 1/5000 dilution.

Lane 1: Mouse spleen lysate 10 µg (Input).

Lane 2: ab234422 IP in mouse spleen lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab234422 in mouse spleen lysate.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 3 mins.

The molecular weight observed is consistent with literatures (PMID:29507235, PMID: 26417084, PMID: 27227820, PMID: 24478309)

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-ANO6 antibody [EPR20910-105] (ab234422)

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

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