abcam

Product datasheet

Anti-ANO6 antibody [EPR20910-105] - BSA and Azide free ab256302

Recombinant RabMAb

2 Images

Overview

Product name	Anti-ANO6 antibody [EPR20910-105] - BSA and Azide free
Description	Rabbit monoclonal [EPR20910-105] to ANO6 - BSA and Azide free
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	ab256302 is the carrier-free version of **ab234422**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20910-105
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab256302 in the following tested applications.

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

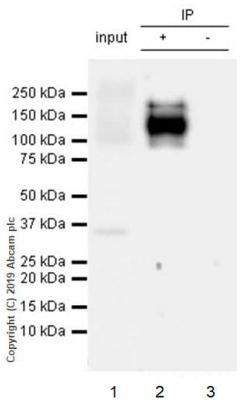
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 106 kDa.
IP		Use at an assay dependent concentration.

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 myologenous 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



Immunoprecipitation - Anti-ANO6 antibody [EPR20910-105] - BSA and Azide free (ab256302)

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)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab234422**).

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