

Product datasheet

Anti-Nucleostemin antibody [EPR3911(2)] - BSA and Azide free ab248337

Recombinant RabMAb

[4 Images](#)

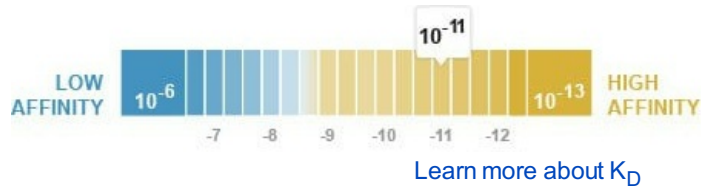
Overview

Product name	Anti-Nucleostemin antibody [EPR3911(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR3911(2)] to Nucleostemin - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), ICC/IF, WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab248337 is the carrier-free version of ab129185.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with</p>

these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Dissociation constant (K_D)	K _D = 6.76 x 10 ⁻¹¹ M



Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR3911(2)
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab248337 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 (Intra)		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 62 kDa.

Application notes Is unsuitable for IHC-P or IP.

Target

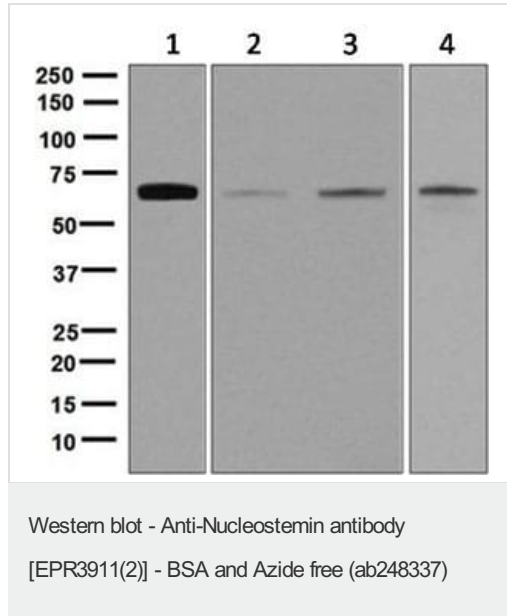
Function	May be required to maintain the proliferative capacity of stem cells and may play an important role in tumorigenesis.
Tissue specificity	Increased levels in lung tissue in cancer patients.
Sequence similarities	Belongs to the MMR1/HSR1 GTP-binding protein family. Contains 1 G (guanine nucleotide-binding) domain.
Domain	The basic domain (B) allows nucleolar localization in the absence of GTP. The intermediate domain (I) inhibits nucleolar localization by the B domain and is required for exit from the

nucleolus. Exit from the nucleolus to the nucleoplasm requires both the I and the acidic (A) domains, and may be triggered by GTP hydrolysis. In contrast to other GTP-binding proteins, this family is characterized by a circular permutation of the GTPase motifs described by a G4-G1-G3 pattern.

Cellular localization

Nucleus. Nucleus > nucleolus. Shuttles between the nucleus and nucleolus.

Images



All lanes : Anti-Nucleostemin antibody [EPR3911(2)] (ab129185) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : PC-3 cell lysate

Lane 3 : SW480 cell lysate

Lane 4 : K562 cell lysate

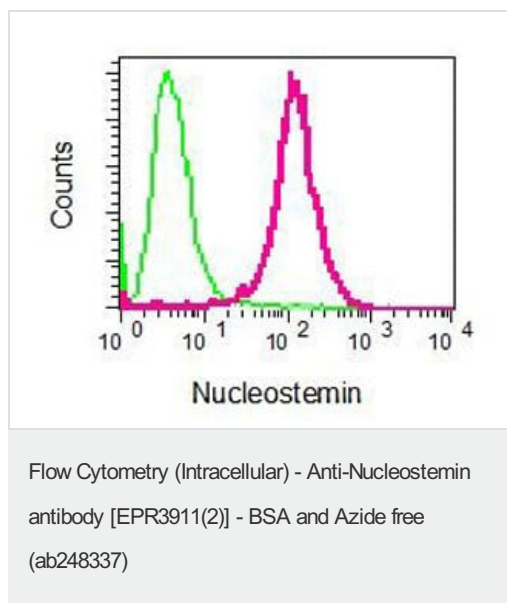
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

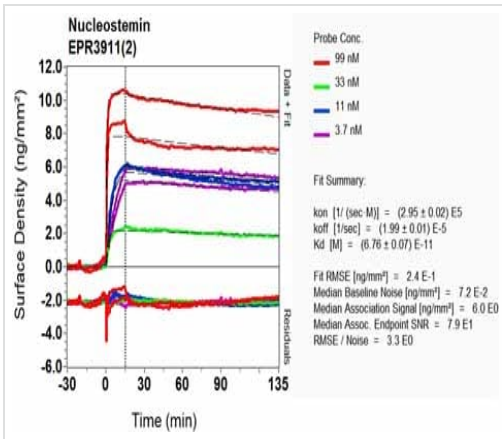
Predicted band size: 62 kDa

This data was developed using ab129185, the same antibody clone in a different buffer formulation.



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Intracellular flow cytometric analysis of permeabilized SW480 cells using ab129185 (red) at 1/10 dilution or a rabbit IgG (negative) (green).



OI-RD Scanning - Anti-Nucleostemin antibody
[EPR3911(2)] - BSA and Azide free (ab248337)

This data was developed using [ab129185](#), the same antibody clone in a different buffer formulation. Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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

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