abcam

Product datasheet

Anti-SNM1A antibody ab226003

2 Images

Overview

Product name	Anti-SNM1A antibody
Description	Rabbit polyclonal to SNM1A
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Gorilla
Immunogen	Synthetic peptide within Human SNM1A aa 425-475. The exact sequence is proprietary. (NP_055696.3). Database link: **Q6PJP8**
Positive control	WB: HEK-293T, HeLa and Jurkat whole cell lysate (**ab7899**). IP: HEK-293T whole cell lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate pH 7 to 8
Purity	Immunogen affinity purified
Purification notes	ab226003 was affinity purified using an epitope specific to SNM1A immobilized on solid support
Clonality	Polyclonal

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab226003 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		1/2000 - 1/10000. Predicted molecular weight: 116 kDa.
IP		Use at 2-10 µg/mg of lysate.

Target

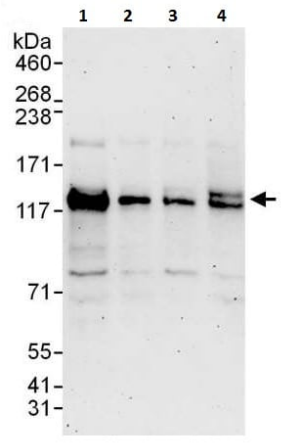
Function May be required for DNA interstrand cross-link repair. Also required for checkpoint mediated cell cycle arrest in early prophase in response to mitotic spindle poisons.

Tissue specificity Expressed in brain, heart, kidney, liver, pancreas, placenta and skeletal muscle.

Sequence similarities Belongs to the DNA repair metallo-beta-lactamase (DRMBL) family.

Cellular localization Nucleus. In some cells it may be found in typically 1 or 2 discrete nuclear aggregates of unknown function which also contain TP53BP1. Also found in multiple discrete nuclear foci which increase in number following treatment with ionizing radiation or interstrand cross-linking agents. These foci overlap with those formed by the MRN complex (composed of MRE11A, RAD50 and NBN) and BRCA1.

Images



Western blot - Anti-SNM1A antibody (ab226003)

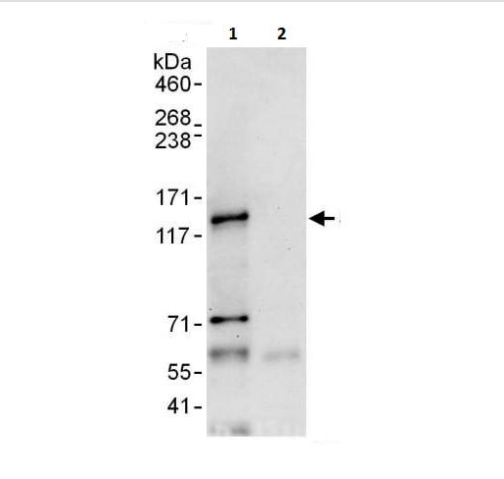
All lanes : Anti-SNM1A antibody (ab226003) at 0.1 µg/ml

Lane 1 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate at 50 µg
Lane 2 : HEK-293T whole cell lysate at 15 µg
Lane 3 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate at 50 µg
Lane 4 : Jurkat (human T cell leukemia cell line from peripheral blood) whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 116 kDa

Exposure time: 3 minutes



Immunoprecipitation - Anti-SNM1A antibody (ab226003)

SNM1A was immunoprecipitated from HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate (1 mg for IP, 20% of IP loaded) with ab226003 at 6 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab226003 at 1 µg/ml.

Lane 1: ab226003 IP in HEK-293T whole cell lysate.

Lane 2: Control IgG IP in HEK-293T whole cell lysate.

Detection: Chemiluminescence with exposure time of 30 seconds.

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

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