

Product datasheet

Anti-Sumo 3 antibody ab5317

★ ★ ★ ★ ★ 1 Abreviews 3 References 1 Image

Overview

Product name	Anti-Sumo 3 antibody
Description	Rabbit polyclonal to Sumo 3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Arabidopsis thaliana
Immunogen	Recombinant full length protein corresponding to Arabidopsis thaliana Sumo 3 aa 1 to the C-terminus. Database link: Q9FLP5

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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab5317 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)	1/1000. Predicted molecular weight: 12 kDa.

Target

Function

Ubiquitin-like protein which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Does not seem to be involved in protein degradation and may function as an antagonist of ubiquitin in the degradation process. Plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Covalent attachment to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4.

Tissue specificity

Expressed predominantly in liver.

Sequence similarities

Belongs to the ubiquitin family. SUMO subfamily.
Contains 1 ubiquitin-like domain.

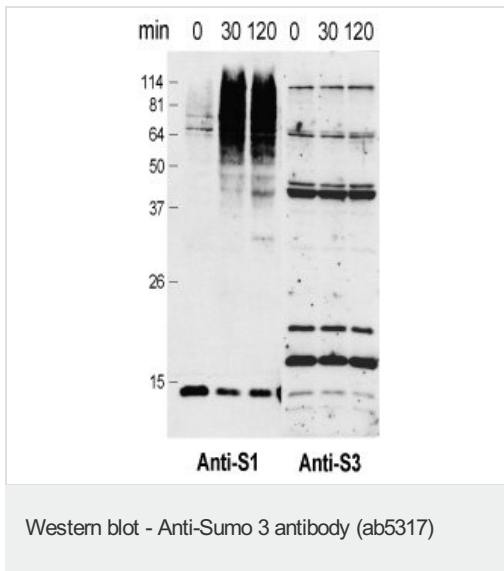
Post-translational modifications

Polymeric chains can be formed through Lys-11 cross-linking.
Cleavage of precursor form by SENP1, SENP2 or SENP5 is necessary for function.

Cellular localization

Cytoplasm.

Images



Western blots of SUMO1 and SUMO3 antibody on Arabidopsis extracts heat treated for the indicated times by moving them from 24 to 37 degrees C. The panel on the left was using [ab5316](#), the panel on the right was using [ab5317](#) - both antibodies were used at a dilution of 1/1000.

Western blots of SUMO1 and SUMO3 antibody on Arabidopsis extracts heat treated for the indicated times by moving them from 24 to 37 degrees C. The panel on the left was using [ab5316](#), the panel on the right was using [ab5317](#) - both antibodies were used at a dilution of 1/1000.

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

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