


Anti-SAE1 (phospho S185) antibody ab106096

1 Image

Overview

Product name	Anti-SAE1 (phospho S185) antibody
Description	Rabbit polyclonal to SAE1 (phospho S185)
Host species	Rabbit
Specificity	ab106096 shows minimal reactivity by ELISA against the non-phosphorylated form of the immunising peptide
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Dog, Chimpanzee 
Immunogen	Synthetic peptide corresponding to Human SAE1 (phospho S185).
Positive control	HeLa cells treated with phosphatase inhibitors.
General notes	<p>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.</p> <p>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</p>

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.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.88% Sodium chloride, 0.42% Potassium phosphate
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab106096 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		1/500 - 1/3000. Predicted molecular weight: 38 kDa.

Target

Function

The heterodimer acts as a E1 ligase for SUMO1, SUMO2, SUMO3, and probably SUMO4. It mediates ATP-dependent activation of SUMO proteins followed by formation of a thioester bond between a SUMO protein and a conserved active site cysteine residue on UBA2/SAE2.

Tissue specificity

Expression level increases during S phase and drops in G2 phase (at protein level).

Pathway

Protein modification; protein sumoylation.

Sequence similarities

Belongs to the ubiquitin-activating E1 family.

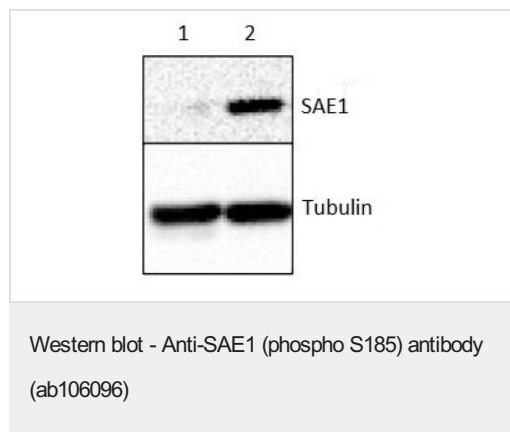
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus.

Images



All lanes : Anti-SAE1 (phospho S185) antibody (ab106096) at 1/1000 dilution

Lane 1 : HeLa whole cell protein

Lane 2 : HeLa whole cell protein from cells pre-treated with phosphatase inhibitor cocktail

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : HRP-conjugated secondary

Developed using the ECL technique.

Predicted band size: 38 kDa

10% SDS-PAGE. Lower panel shows tubulin loading control

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

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