

Product datasheet

Anti-Serum Amyloid P/SAP antibody [EP1018Y] α b45151

Recombinant RabMAb

★★★★★ [3 Abreviews](#) [11 References](#) [4 Images](#)

Overview

Product name	Anti-Serum Amyloid P/SAP antibody [EP1018Y]
Description	Rabbit monoclonal [EP1018Y] to Serum Amyloid P/SAP
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Serum Amyloid P/SAP aa 1 to the C-terminus (N terminal). The exact sequence is proprietary.
Positive control	WB: Human serum; Human liver lysate. IHC-P: Human endometrial carcinoma tissue.
General notes	<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 these species. Please contact us for more information.</p>

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. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 49% PBS, 40% Glycerol (glycerin, glycerine), 0.21% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EP1018Y
Isotype	IgG

Applications

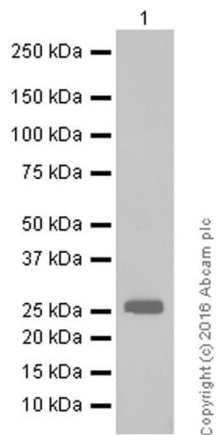
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab45151 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	1/5000. Detects a band of approximately 25 kDa (predicted molecular weight: 25 kDa).
IHC-P		1/50 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Enzymatic antigen retrieval (using protease) also has been found to work and may achieve better results

Target

Function	Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. May also function as a calcium-dependent lectin.
Tissue specificity	Found in serum and urine.
Involvement in disease	Note=SAP is a precursor of amyloid component P which is found in basement membrane and associated with amyloid deposits.
Sequence similarities	Belongs to the pentaxin family. Contains 1 pentaxin domain.
Post-translational modifications	N-glycosylated with a complex biantennary oligosaccharide chain with a sialic acid at the end (disialo-SAP). Monosialo-SAP as well as asialo-SAP are also detected (PubMed:15174148).
Cellular localization	Secreted.

Images



Western blot - Anti-Serum Amyloid P/SAP antibody [EP1018Y] (ab45151)

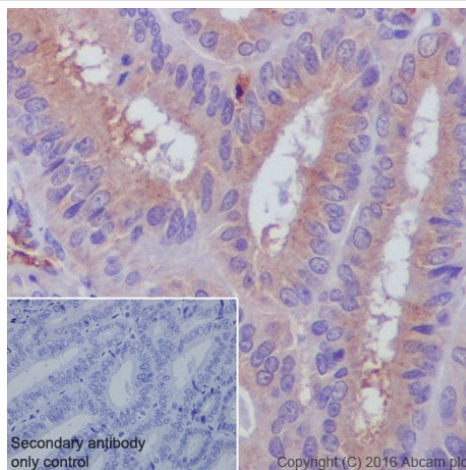
Anti-Serum Amyloid P/SAP antibody [EP1018Y] (ab45151) at 1/10000 dilution + Human serum at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 25 kDa

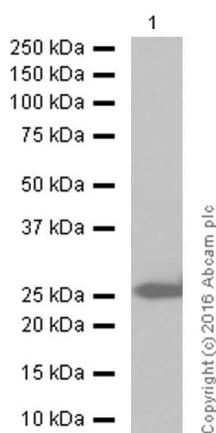
Diluting and blocking buffer: 5% NFDM /TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Serum Amyloid P/SAP antibody [EP1018Y] (ab45151)

ab45151 staining Serum Amyloid P/SAP in human endometrial carcinoma tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/50. A goat anti-rabbit IgG H&L (HRP) [ab97051](#) was used as the secondary antibody at 1/500.

Negative control 1: PBS in place of primary antibody.



Western blot - Anti-Serum Amyloid P/SAP antibody [EP1018Y] (ab45151)

Anti-Serum Amyloid P/SAP antibody [EP1018Y] (ab45151) at 1/5000 dilution + Human liver at 20 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

Predicted band size: 25 kDa

Blocking and diluting buffer: 5% NFDM /TBST

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

Anti-Serum Amyloid P/SAP antibody [EP1018Y]
(ab45151)

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

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