

Product datasheet

Anti-Protein Z antibody [EPR25824-16] ab314743

Recombinant RabMAb

3 Images

Overview

Product name	Anti-Protein Z antibody [EPR25824-16]
Description	Rabbit monoclonal [EPR25824-16] to Protein Z
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt (Intra), ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human plasma, Human serum, Untreated human serum and Human serum treated with Peptide:N-glycosidase F lysates.
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>

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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR25824-16

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab314743 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		1/1000. Predicted molecular weight: 45 kDa.

Application notes

Is unsuitable for Flow Cyt (Intra), ICC/IF, IHC-P or IP.

Target

Function

Appears to assist hemostasis by binding thrombin and promoting its association with phospholipid vesicles.

Tissue specificity

Plasma.

Sequence similarities

Belongs to the peptidase S1 family.
Contains 2 EGF-like domains.
Contains 1 Gla (gamma-carboxy-glutamate) domain.
Contains 1 peptidase S1 domain.

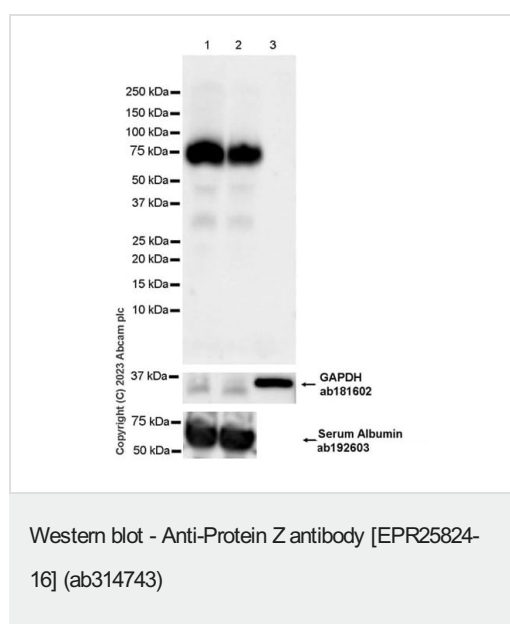
Post-translational modifications

The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.

Cellular localization

Secreted.

Images



All lanes : Anti-Protein Z antibody [EPR25824-16] (ab314743) at 1/1000 dilution

Lane 1 : Human plasma lysate

Lane 2 : Human serum lysate

Lane 3 : Human pancreas tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 45 kDa

Observed band size: 75 kDa

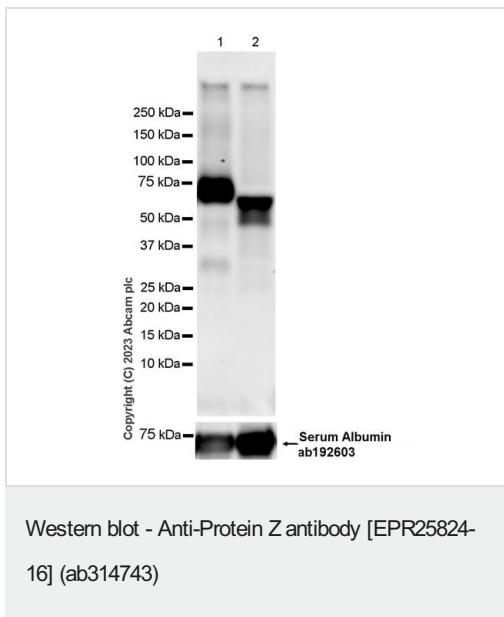
Exposure time: 6 seconds

Blocking and diluting buffer and concentration: 5% NFDN/TBST

Low expression: pancreas.

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (**ab181602**) staining at 1/200000 dilution.

In Western blot, Anti-Bovine Serum Albumin antibody [EPR12774] (**ab192603**) staining at 1/1000 dilution.



All lanes : Anti-Protein Z antibody [EPR25824-16] (ab314743) at 1/1000 dilution

Lane 1 : Untreated human serum lysate

Lane 2 : Human serum tissue lysate treated with Peptide:N-glycosidase F (PNGase F)

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 45 kDa

Observed band size: 65,75 kDa

Exposure time: 15 seconds

Blocking and diluting buffer and concentration: 5% NFDN/TBST

Protein Z is a glycoprotein of approximately 75 kDa and detected as a 65-kDa band after treated with Peptide:N-glycosidase F (PNGase F).

In Western blot, Anti-Bovine Serum Albumin antibody [EPR12774] (**ab192603**) staining at 1/1000 dilution.

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-Protein Z antibody [EPR25824-16] (ab314743)

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

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