

## Product datasheet

# Anti-Saporin antibody (HRP) ab42903

### 画像数 1

#### 製品の概要

製品名	Anti-Saporin antibody (HRP)
製品の詳細	Goat polyclonal to Saporin (HRP)
由来種	Goat
標識	HRP
アプリケーション	適用あり: SDS-PAGE
種交差性	交差が予測される動物種: Soapwort
免疫原	Full length protein corresponding to Saporin. Soapwort plant ( <i>Saponaria officinalis</i> ).
特記事項	The antibody was coupled to Horseradish Peroxidase (HRP) and dialysed against PBS.

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	pH: 7.40 Constituents: PBS, 0.81% Sodium chloride, 0.02% Potassium chloride, 0.04% Potassium phosphate, 0.16% Sodium phosphate
特記事項(精製)	The antibody was conjugated to horseradish peroxidase (HRP) and dialyzed against PBS.
ポリモノ	ポリクローナル
アイソタイプ	IgG

#### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab42903** in the following tested applications.

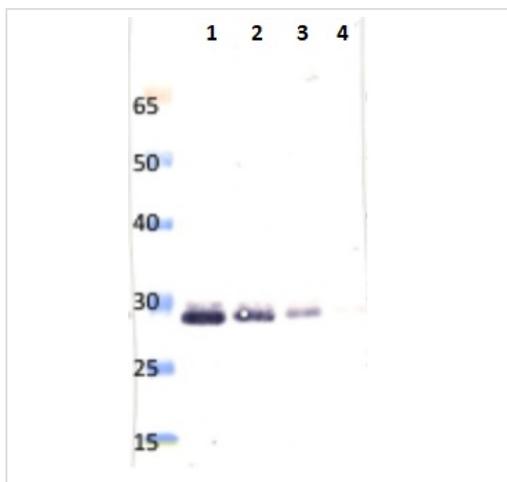
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
SDS-PAGE		Use a concentration of 1 - 10 µg/ml.

### 関連性

Saporin is obtained from the seeds of the Soapwort plant (*Saponaria officinalis*), a plant that grows widely in Britain and other parts of Europe. Saporin is a plant enzyme with N-glycosidase activity that depurinates a specific nucleotide in the ribosomal RNA 28S, thus irreversibly blocking protein synthesis. It belongs to the well-characterized family of ribosome-inactivating proteins (RIPs). There are two types of RIPs: type I, which are much less cytotoxic due to the lack of the B chain and type II, which are distinguished from type I RIPs by the presence of the B chain and their ability to enter cells on their own. However, type I RIPs can still be internalized by fluid-phase endocytosis. In the case of saporin, it was reported that saporin first binds to the alpha 2 macroglobulin receptor on human cells and is then internalized to the cytosol. Upon internalization, the ribosomes are inactivated, resulting in cell death. Among all type I RIPs saporin SO6 is the most widely used because it is easily obtainable and very stable.

### 画像



SDS-PAGE - Anti-Saporin antibody (HRP) (ab42903)

Saporin was run on a 10% SDS-PAGE gel and transferred to a PVDF membrane. The blot was blocked with 4% NFM/TBS, then incubated overnight with 5 µg/ml ab42903. The blot was washed and developed with 4-chloro-1-naphthol and hydrogen peroxide.

Lane 1: 200 ng saporin.

Lane 2: 100 ng saporin.

Lane 3: 50 ng saporin.

Lane 4: 25 ng saporin.

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