

Product datasheet

Anti-Saporin antibody (HRP) ab42903

製品の概要

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| 製品名 | Anti-Saporin antibody (HRP) |
| 製品の詳細 | Goat polyclonal to Saporin (HRP) |
| 由来種 | Goat |
| 標識 | HRP |
| 特異性 | ab42903 recognises saporin. |
| アプリケーション | 適用あり: IHC-Fr |
| 種交差性 | Reacts with Saponaria officinalis (Soapwort). Not yet tested in other species. |
| 免疫原 | Chemical/ Small Molecule corresponding to Saporin. |
| 特記事項 | The antibody was coupled to Horseradish Peroxidase (HRP) and dialysed against PBS. |

製品の特性

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|--------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Store at +4°C. |
| バッファー | Preservative: Azide Free Constituents: PBS, pH 7.4 |
| 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 |
|----------|-----------|-----------------|
| IHC-Fr | | 1/350 - 1/1000. |

ターゲット情報

関連性

Saporin is obtained from the seeds of the Soapwort plant (*Saponaria officinalis*), a plant that grows wild 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.

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