

# Anti-Simian Rotavirus VP4 antibody ab93860

### 製品の概要

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| 製品名      | Anti-Simian Rotavirus VP4 antibody  |
| 製品の詳細    | Rabbit polyclonal to Simian Rotavirus VP4   |
| 由来種      | Rabbit  |
| アプリケーション | <b>適用あり:</b> WB, ELISA  |
| 種交差性     | <b>交差種:</b> Simian rotavirus A/SA11   |
| 免疫原      | A synthetic peptide corresponding to near N terminal residues of Simian Rotavirus VP4   |
| 特記事項     | <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&amp;As</p> |

### 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 -20°C.  |
| バッファー    | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 50% Glycerol (glycerin, glycerine), PBS |
| 精製度      | Immunogen affinity purified  |
| 特記事項(精製) | ab93860 is purified by antigen-specific affinity chromatography. Purity >90%.                        |
| 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

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**The Abpromise guarantee**      **Abpromise保証は、次のテスト済みアプリケーションにおけるab93860の使用に適用されます**  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| WB       |           | Use a concentration of 1 µg/ml. Predicted molecular weight: 87 kDa. This antibody has been tested in Western blot against the recombinant peptide used as an immunogen. We have no data on detection of endogenous protein. |
| ELISA    |           | 1/2000 - 1/5000.  |

## ターゲット情報

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|--------------|---|
| <b>関連性</b>   | <p>Simian Rotavirus VP4 (Outer Capsid protein VP4) (Hemagglutinin) functions as a spike-forming protein that mediates virion attachment to the host epithelial cell receptors and plays a major role in cell penetration, determination of host range restriction and virulence. Rotavirus entry into the host cell probably involves multiple sequential contacts between the outer capsid proteins VP4 and VP7, and the cell receptors. According to the considered strain, VP4 seems to essentially target sialic acid and/or the integrin heterodimer ITGA2/ITGB1. VP4 is a homotrimer and adopts a dimeric appearance above the capsid surface, while forming a trimeric base anchored inside the capsid layer. The priming trypsin cleavage triggers its rearrangement into rigid spikes with approximate two-fold symmetry of their protruding parts. After an unknown second triggering event, cleaved VP4 may undergo another rearrangement, in which two VP5* subunits fold back on themselves and join a third subunit to form a tightly associated trimer, shaped like a folded umbrella. VP4 interacts with host ITGA2 (via ITAG2 I-domain); this interaction occurs when ITGA2 is part of the integrin heterodimer ITGA2/ITGB1. VP4 interacts with host integrin heterodimer TGA4/ITGB1 and ITGA4/ITGB7. Proteolytic cleavage by trypsin results in activation of VP4 functions and greatly increases infectivity. The penetration into the host cell is dependent on trypsin treatment of VP4. It produces two peptides, VP5* and VP8* that remain associated with the virion.</p> |
| <b>細胞内局在</b> | Virion. Host rough endoplasmic reticulum  |

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

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