


Product datasheet

Anti-PAR6 antibody ab195984

Overview

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|----------------------------|--|
| Product name | Anti-PAR6 antibody |
| Description | Rabbit polyclonal to PAR6 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Human Predicted to work with: Mouse, Rat  |
| Immunogen | Synthetic peptide within Human PAR6 (internal sequence). The exact sequence is proprietary. Database link: Q9NPB6 |

Properties

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|-----------------------------|---|
| Form | Lyophilised:Reconstitute with 100 µL distilled water. |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | Constituents: 1.21% Tris buffer, 0.75% Glycine, 2% Sucrose |
| Purity | Protein A purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab195984** 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 | | 1/100 - 1/1000. Predicted molecular weight: 37 kDa. |
| IHC-P | | 1/50 - 1/200. |

Target

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|------------------------------|--|
| Function | Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in the formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins. |
| Tissue specificity | Expressed in pancreas, skeletal muscle, brain and heart. Weakly expressed in kidney and placenta. |
| Sequence similarities | Belongs to the PAR6 family. Contains 1 OPR domain. Contains 1 PDZ (DHR) domain. Contains 1 pseudo-CRIB domain. |
| Domain | The pseudo-CRIB domain together with the PDZ domain is required for the interaction with Rho small GTPases. The OPR domain mediates interactions with MAP2K5. The PDZ domain mediates the interaction with CRB3. |
| Cellular localization | Cytoplasm. Cell membrane. Cell projection > ruffle. Cell junction > tight junction. Colocalizes with GTP-bound CDC42 or RAC1 at membrane ruffles and with PARD3 and PRKCI at epithelial tight junctions. |

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