

Product datasheet

Anti-RASA1 antibody ab55663

[2 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-RASA1 antibody |
| Description | Mouse monoclonal to RASA1 |
| Host species | Mouse |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment corresponding to Human RASA1 aa 948-1048. Sequence: AKEPYMEGVNPFIKSNKHRMIMFLDELGNVPELPDTTEHSRTDLSRD ^L AALHEICVAHSDELRTLSNERGAQQHVLKLLAITE ^L LQQKQ ^N QYTK ^T NDV ^R |

[Run BLAST with](#)

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Properties

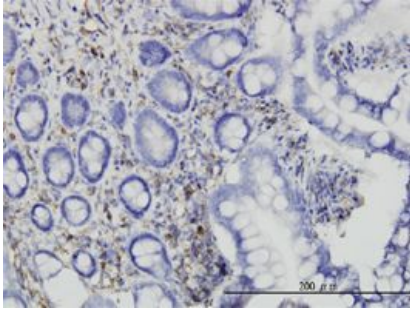
| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservative: None PBS, pH 7.2 |
| Purity | Protein G purified |
| Clonality | Monoclonal |
| Isotype | IgG1 |
| Light chain type | kappa |

Applications

Our [Abpromise guarantee](#) covers the use of **ab55663** in the following tested applications.

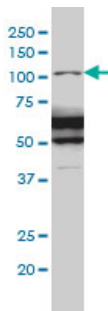
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|-------|
| WB | | |
| IHC-P | | |
| Application notes | <p>WB: Use at a concentration of 1-5 µg/ml. IHC-P: Use at a concentration of 6 µg/ml.</p> <p>Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.</p> | |
| Target | | |
| Function | Inhibitory regulator of the Ras-cyclic AMP pathway. Stimulates the GTPase of normal but not oncogenic Ras p21. | |
| Tissue specificity | In placental villi, detected only in the trophoblast layer (cytotrophoblast and syncytiotrophoblast). Not detected in stromal, endothelial or Hofbauer cells (at protein level). | |
| Involvement in disease | <p>Note=Mutations in the SH2 domain of RASA seem to be oncogenic and cause basal cell carcinomas.</p> <p>Defects in RASA1 are the cause of capillary malformation-arteriovenous malformation (CMAVM) [MIM:608354]. CMAVM is a disorder characterized by atypical capillary malformations that are multiple, small, round to oval in shape and pinkish red in color. These capillary malformations are associated with either arteriovenous malformation, arteriovenous fistula, or Parkes Weber syndrome.</p> <p>Defects in RASA1 are a cause of Parkes Weber syndrome (PKWS) [MIM:608355]. PKWS is a disorder characterized by a cutaneous flush with underlying multiple micro-arteriovenous fistulas, in association with soft tissue and skeletal hypertrophy of the affected limb.</p> | |
| Sequence similarities | <p>Contains 1 C2 domain.</p> <p>Contains 1 PH domain.</p> <p>Contains 1 Ras-GAP domain.</p> <p>Contains 2 SH2 domains.</p> <p>Contains 1 SH3 domain.</p> | |
| Post-translational modifications | The N-terminus is blocked. | |
| Cellular localization | Cytoplasm. | |
| Images | | |



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RASA1 antibody (ab55663)

GAP antibody (ab55663) used in immunohistochemistry at 6ug/ml on formalin fixed and paraffin embedded human small Intestine.



Western blot - Anti-RASA1 antibody (ab55663)

GAP antibody (ab55663) at 1ug/lane + IMR-32 cell lysate at 25ug/lane.

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