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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Arg-2 [CPR02] Ab03441-23.0-BT

This full-length chimeric rabbit antibody was made using the variable domain sequences of the original Human scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: CPR02

Alternative Name(s) of Target: Human Anterior Gradient Protein 2 Homolog; Anterior gradient protein 2 homolog; AG-2; hAG-2; HPC8; Secreted cement gland protein XAG-2 homolog

UniProt Accession Number of Target Protein: O95994

Published Application(s): in vivo, SPR, ELISA, IF

Published Species Reactivity: Human

Immunogen: The antibody was isolated from the antibody library after three rounds of panning against residues 41-175 of recombinant human Agr2.

Specificity: The antibody is specific for Arg-2. Arg-2 is required for MUC2 post-transcriptional synthesis and secretion and, it may play a role in the production of mucus by intestinal cells.

Application Notes: The scFv fragment of the antibody was able to bind the recombinant human Agr2 protein in ELISA analysis. The binding affinity of the scFv fragment to human Agr2 was measured by surface plasmon resonance ($K_d = 4.6 \times 10^{-7}$ M). Immunofluorescence analysis of colon biopsy samples from a healthy donor was performed to verify the ability of CPR02 to recognize the human Agr2 antigen. Results showed the antibody revealed significant staining surrounding the crypts of the intestinal tissue. Further, the antibody was used for immunofluorescent staining of freshly frozen human biopsy samples of Ulcerative Colitis, the antibody produced a strong intensity signal in the colonic crypts region. The antibody was able to recognise the Agr2 antigen in vivo, as demonstrated by the results of the autoradiography of the complete intestinal tract of a mouse having colitis, injected with radiolabelled antibody (US20190309060A1).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In:

PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.