



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Arg-2 [CPR02] Standard Size Ab03441-30.11

This is an scFv fragment with a His tag.

**Isotype and Format:** scFv fragment (His), ScFv

**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:** 50 µg Purified antibody.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.