

# Anti-mNeonGreen (Rat) “Brainbow”

**Catalogue number:** 155279

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Dawen Cai

**Institute:** University of Michigan

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-mNeonGreen (Rat) “Brainbow”

**Alternate name:**

**Class:** Polyclonal

**Conjugate:**

**Description:** The mNeonGreen polyclonal antibody is one of the Brainbow collection which has been used in a multicolor labelling strategy for the fluorescent imaging of neuronal circuits and individual neurons in mice, drosophila and zebrafish and non-neuronal cells in mice. The Brainbow toolkit allows scientists to image highly complex tissue structures by relying on a stochastic method for making different expression ratio combinations of fluorescent proteins so that structures in proximity can be resolved.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:** Rat

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** mNeonGreen

**Target alternate names:**

**Target background:** mNeonGreen is a fluorescent proteins originated from Branchiostoma lanceolatum.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** IF ; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** Serum with 0.02% sodium azide

**Storage conditions:** -80° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:** "Brainbow" polyclonal antibodies ; Anti-mNeonGreen (Rabbit) "Brainbow" polyclonal antibody ; Anti-mNeonGreen (Chicken) "Brainbow" polyclonal antibody

## References

**References:** Roossien et al. 2019. Bioinformatics. 35(18):3544-3546. PMID: 30715234. ; Chen et al. 2018. Mol Psychiatry. 23(7):1614-1625. PMID: 28761082. ; Takesian et al. 2018. Nat Neurosci. 21(2):218-227. PMID: 29358666. ; Roossien et al. 2017. Methods Mol Biol. 1642:211-228. PMID: 28815503. ; Manent et al. 2017. Oncogene. 36(40):5576-5592. PMID: 28581519. ; Chang et al. 2017. Nat Methods. 14(6):593-599. PMID: 28417997. ; Zanca et al. 2017. Genes Dev. 31(12):1212-1227. PMID: 28724615. ; Tillberg et al. ...

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