

Anti-mKusabira-Orange2 (Rat) “Brainbow”

Catalogue number: 155273

Sub-type: Primary antibody

Images:

Contributor

Inventor: Dawen Cai

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-mKusabira-Orange2 (Rat) “Brainbow”

Alternate name:

Class: Polyclonal

Conjugate:

Description: The mKusabira-Orange2 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: mKusabira-Orange2

Target alternate names:

Target background: The mKusabira-Orange2 is a fluorescent proteins originated from Fugia concinna

Molecular weight:

Ic50:

Applications

Application: IF ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: Serum with 0.02% sodium azide

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools: "Brainbow" polyclonal antibodies ; Anti-mKusabira-Orange2 (Rabbit) "Brainbow" polyclonal antibody ; Anti-mKusabira-Orange2 (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. 2016. Nat Biotechnol. 34(9):987-92. PMID: 27376584. ; Cai et al. 2013. Nat Methods. 10(6):540-7. PMID: 23817127.

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