

Anti-mTFP (Rat) “Brainbow” pAb

Catalogue number: 155264

Sub-type: Primary antibody

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-mTFP (Rat) “Brainbow” pAb

Alternate name: Anti-mTFP (Rat)

Class: Polyclonal

Conjugate:

Description: The mTFP polyclonal antibody is one of the Brainbow collection. The antibody host species is a Rat. mTFP is a bright fluorescent protein generated from *Clavularia* sp. The brainbow collection has been used in a multicolour 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: purified protein concentrated to > 3 mg/ml

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: mTFP

Target alternate names:

Target background: mTFP fluorescent protein is originated from coral (*Clavularia* sp.).

Molecular weight:

Ic50:

Applications

Application: IF ; IP ; WB

Application notes: IF, IP, WB: 1:1000-1:2000 ; IHC/ExM: 1:500-1:1000

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-mTFP (Rabbit) "Brainbow" polyclonal antibody ; Anti-mTFP (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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