Octopamine Antibody – Rabbit Polyclonal

Ref: IS1033

The IS1033 anti-Octopamine rabbit polyclonal antibody was validated for immunofluorescence in crayfish brain tissues, using the STAINperfect immunostaining kit A for sample preparation. In combination with the staining kit, the antibody can label Octopamine in cell cultures and tissues for IF/IHC imaging.

Clonality	Polyclonal antibody
Host	Rabbit
Reactivity	Reacts with all species
Tested samples	Whole mounts, cell culture, tissue sections & ELISA
Staining procedure	STAINperfect immunostaining kit A
Format	50µl (approx. 40 tissue sections)

INFORMATIONS

Product overview

Product name	Octopamine antibody – Rabbit pAb
Synonyms	Anti-2-Amino-1-(4-hydroxyphenyl)ethanol polyclonal antibody
Immunogen	Conjugated Octopamine
Specificity	When tested in competitive ELISA, the anti-conjugated Octopamine antibody did not show any significant cross-reactivity with competitors Tyramine, Dopamine or Noradrenaline conjugates

Storage

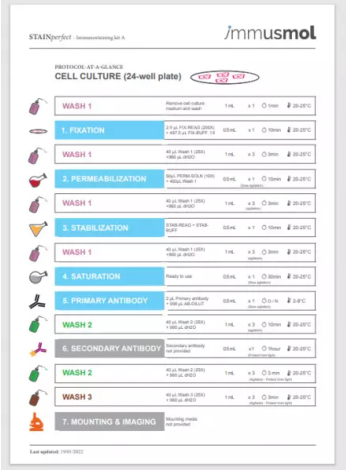
Form	Liquid
Purity	Purified anti-serum
Storage buffer	Store at +4°C for short term (1-2 months). Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles
Material safety datasheet	Download MSDS

PROTOCOLS

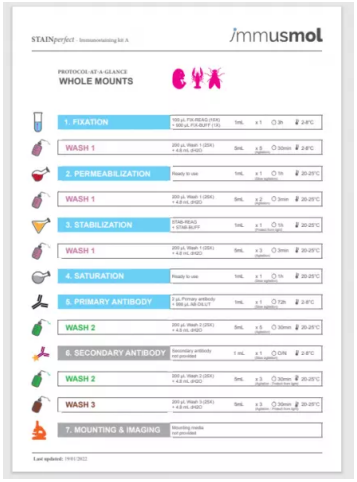
IF – Cell cultures, Whole mounts, Tissue sections	Dilute antibody with the antibody diluent provided in the STAINperfect immunostaining kit A. Use at 1/250 -1/1000 dilution. Follow the STAINperfect protocol suited to your sample
Comments	Optimal working dilutions must be determined by the end-user
Restrictions	For research use only
Full protocol	Download STAINperfect protocol for Octopamine staining

Protocols-at-a-glance

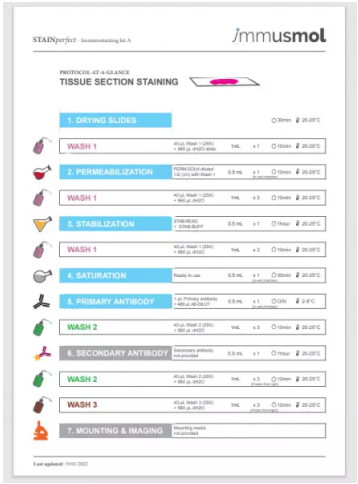
Complete Instructions for Use



Protocol-at-a-glance for cell cultures



Protocol-at-a-glance for whole mounts

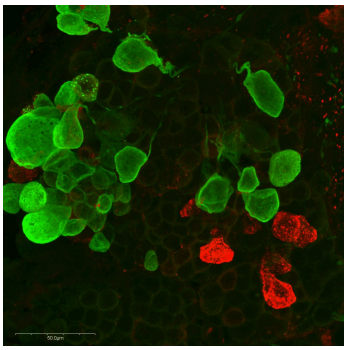


Protocol-at-a-glance for tissue sections

REFERENCES

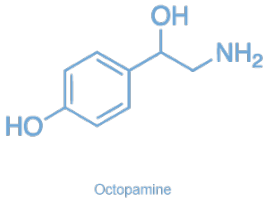
Antibody not yet cited.

Product pictures



Immunolabeling of Octopaminergic and Serotoninergic neurons

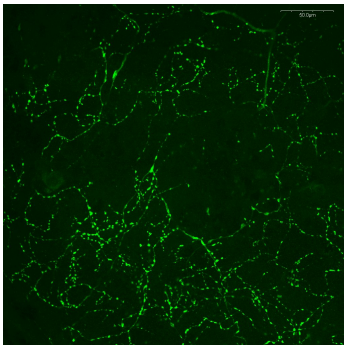
Immunostaining of crayfish eyetalk using anti-octopamine rabbit polyclonal antibody (green) and anti-serotonin goat polyclonal antibody (red). Tissus were processed with whole mount protocol of STAINperfect immunostaining kit A. Fluorescent labeled secondary antibodies were used and pictures were acquired by confocal imaging with high magnification.



Octopamine

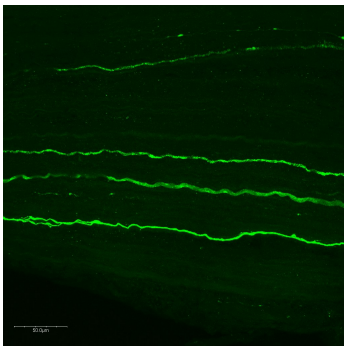
Octopamine

Octopamine



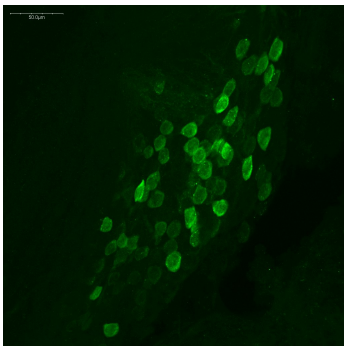
Immunofluorescence imaging of Octopamine in crayfish brain

Anti-Octopamine antibody highlights the arborization of octopamine neurones in the brain of a crayfish. Staining was performed using STAINperfect immunostaining kit A, following the protocol for whole mount. Fluorescent labeled secondary antibody was used and picture obtained by confocal imaging. This picture highlights the presence of Octopamine within fibers.



Fibers of octopaminergic neurons in crayfish

Octopaminergic fibers of crayfish brain detected using ImmuSmol rabbit polyclonal anti-Octopamine antibody following whole mount samples protocol of STAINperfect immunostaining kit A. Secondary antibody was used and image captured by confocal microscopy.



Imaging of Octopamine in brain of a crayfish

Detection of octopaminergic neurons in the crayfish brain using STAINperfect immunostaining kit A and according to the protocol for whole mount samples. Secondary antibody was used and image obtained by confocal imaging at high magnification. This staining reveals the presence of Octopamine within particular cell bodies.

Contact information

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To order, review, ask for technical support, visit product page at:

https://www.immusmol.com/shop/octopamine-rabbit-pab/