Noradrenaline rabbit pAb – IS1042

Ref: IS1042-sp

The anti-Noradrenaline (NA) antibody IS1042 is a rabbit polyclonal antibody developped to detect NA with high affinity and specificity. Combined with the STAINperfect immunostaining kit A, the antibody allows direct NA detection in whole mounts, cell culture and tissue sections.

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

INFORMATIONS

Product overview

Product name	L-Noradrenaline antibody – Rabbit pAb
Synonyms	Anti-Noradrenaline antibody Anti-Norepinephrine antibody Anti-NA antibody
Immunogen	Conjugated Noradrenaline
Specificity	When tested in competitive ELISA, the anti-conjugated NA antibody did not show any significant cross reactivity with for example Dopamine and normetanephrine conjugates
Volume	50µL

Storage

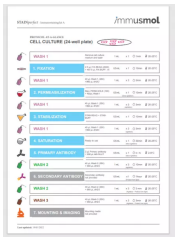
Form	Liquid
Purity	Purified anti-serum
Storage buffer	Store at +4°C for short term (1-2 months). Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles
Material safety datasheet	Download MSDS

PROTOCOLS

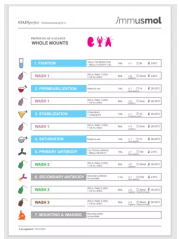
IF – Cell cultures, Whole mounts, Tissue sections	Dilute antibody with the antibody diluent provided in the STAINperfect immunostaining kit A. Use at 1/250 -1/1000 dilution. Follow the STAINperfect protocol suited to your sample
Comments	Optimal working dilutions must be determined by the end-user
Restrictions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

Protocols-at-a-glance

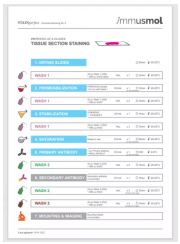
Complete Instructions for Use



Protocol-at-a-glance for cell cultures



Protocol-at-a-glance for whole mounts



Protocol-at-a-glance for tissue sections

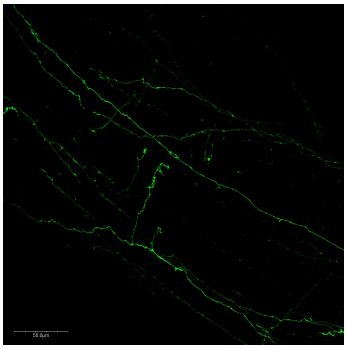
REFERENCES

Antibody not yet cited. Submit an article and get a 10% discount.

Selected articles on Noradrenaline (Norepinephrine):

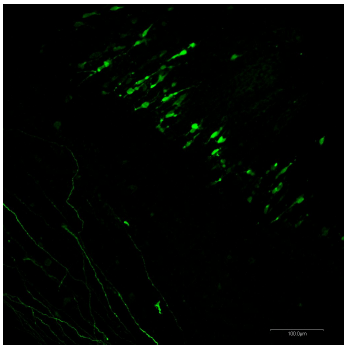
- Robertson SD, Plummer NW, de Marchena J, Jensen P. Developmental origins of central norepinephrine neuron diversity. Nat Neurosci. 2013 August ; 16(8): 1016–1023. doi:10.1038/nn.3458.
- Sauvage M, Steckler T. Detection of corticotropin-releasing hormone receptor 1 immunoreactivity in cholinergic, dopaminergic and noradrenergic neurons of the murine basal forebrain and brainstem nuclei – potential implication for arousal and attention. Neuroscience Volume 104, Issue 3, 14 June 2001, Pages 643–652
- A Hayashi, K Le Gal, K Södersten, D Vizlin-Hodzic, H Ågren and K Funa - Calcium-dependent intracellular signal pathways in primary cultured adipocytes and *ANK3* gene variation in patients with bipolar disorder and healthy controls. *Molecular Psychiatry* (2015) 20, 931–940; doi:10.1038/mp.2014.104; published online 14 October 2014

Product pictures



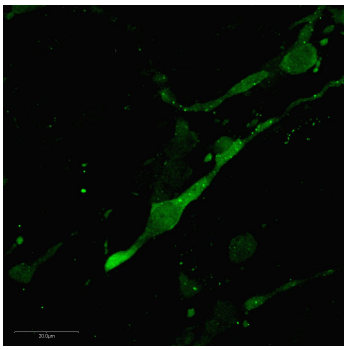
Noradrenaline fibers in the pons of mouse embryo.

Noradrenergic fibers were specificaly detected in the medulla of mouse embryo using STAINperfect immunostaining kit A and rabbit polyclonal anti-nordrenaline antibody and following the protocol for whole mount samples. Fluorescent secondary antibodies were used and pictures were acquired by confocal imaging.



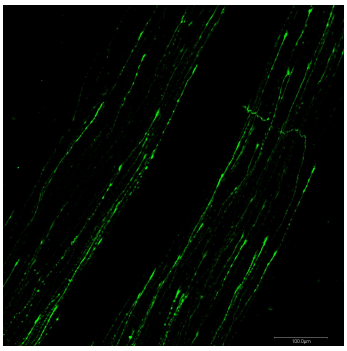
Noradreneric neurones in the pons of embryonic mouse.

Using STAINperfect immunostaining kit A, the anti-Noradrenaline rabbit polyclonal antibody (Ref: IS1042) demonstrates the presence of noradrenaline in embryonic mouse pons (E13.5). The staining was performed according to the protocol optimized for whole-mount samples and was revealed using fluorescent conjugated secondary antibody.



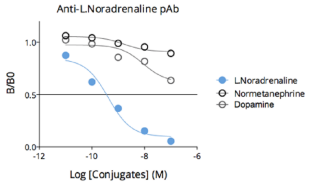
Noradrenergic neurones in CNS of mouse embryo.

High magnification of noradrenergic neurones in the pons of embryonic mouse (E13.5) stained using STAINperfect immunostaining kit and anti-noradrenaline rabbit polyclonal antibody, with optimized protocol for whole mount samples. Fluorescent secondary antibodies were used and pictures were acquired by confocal imaging.



Norepinephrine fibers in the spinal cord of embryonic mouse.

Immunostaining of noradrenergic fibers in the spinal cord lumbar level of mouse embryo using rabbit polyclonal anti-nordrenaline antibody. Staining was performed with STAINperfect immunostaining kit A, following the protocol for whole mount samples. Fluorescent secondary antibodies were used and pictures were acquired by confocal imaging .



Affinity & specificity of anti- L-Noradrenaline antibody

Competitive ELISA demonstrates that low amounts of L-DOPA conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of L-DOPA competitors Dopamine or Normetanephrine do not affect reaction (high specificity).

Contact information

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

https://www.immusmol.com/shop/l-noradrenaline-polyclonal-antibody-bundle/