Product datasheet

protag-HiSec anti-chicken IgY-X2 Atto 488

Short overview

Cat. No.	80405
Quantity	500 µl

Product description

Host	Llama/alpaca
Antibody Type	Recombinant, produced in E.coli
Isotype	Single-domain antibody
Clone	3G2
Immunogen	Chicken IgY
Formulation	5 µM fluorescently labeled single-domain antibody in buffered saline, 50% glycerol, 0.09% sodium azide
Note	Centrifuge prior to opening
Conjugate	Atto 488
Purification	Affinity chromatography
Storage	Up to 3 months: -20°C; up to 12 months: -80°C or below; protect from light!
Intended use	Research use only
Application	ICC/IF, IHC
Reactivity	Chicken IgY
No reactivity	Goat IgG, Guinea pig IgG, Mouse IgG, Rabbit IgG, Rat IgG

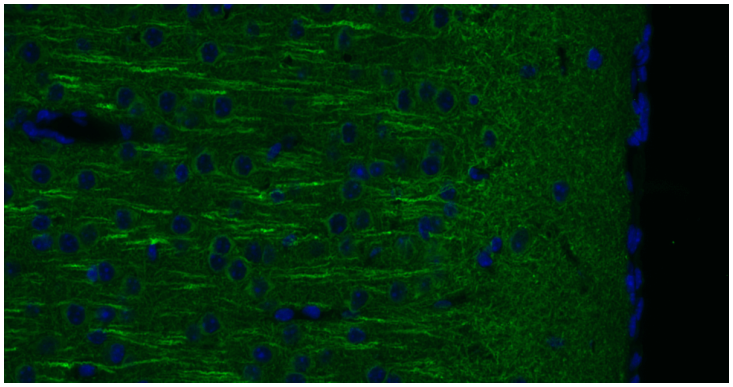
Applications

Immunocytochemistry (ICC)	1:500
Immunohistochemistry (IHC) - frozen	1:500
Immunohistochemistry (IHC) - paraffin	1:500

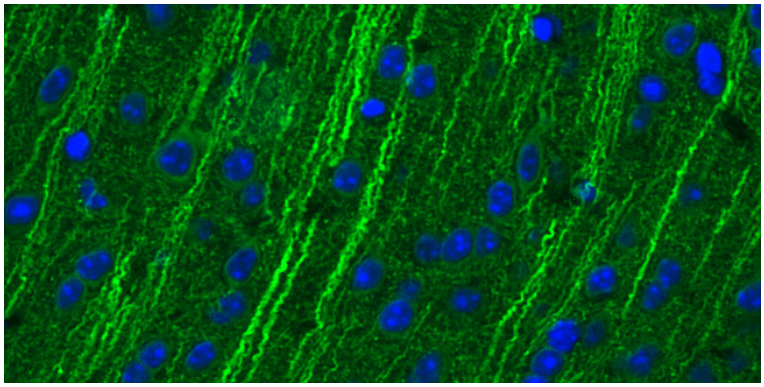
Background

protag-HiSec anti-chicken IgY is an isotype- and species-specific camelid single-domain antibody (sdAb) produced by NanoTag Biotechnologies GmbH. It is directed against chicken IgY and contains two site-specifically coupled fluorophores per protag molecule. One single-domain antibody targets two fluorophores to a primary chicken antibody. Due to the monovalent binding, there are no primary and secondary antibody clusters formed, leading to better epitope accessibility and a more precise localization. There are no batch-to-batch variations, since the protag-HiSecs single-domain antibodies are recombinantly expressed.

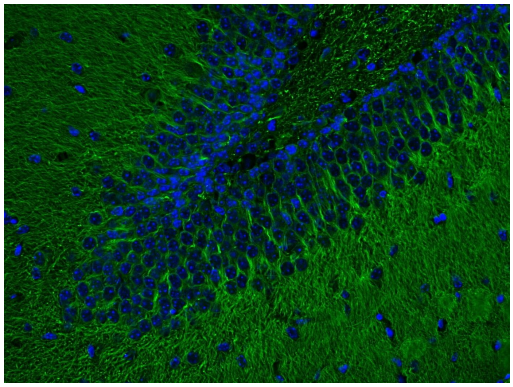
Product images



Indirect immunostaining of PFA fixed mouse brain section with chicken anti-MAP2 and protag-HiSec anti-chicken IgY-X2 Sulfo-Cyanin 5 (green). Nuclei have been visualized by DAPI staining (blue)(courtesy of NanoTag Biotechnologies GmbH).



Mouse brain section with chicken anti-MAP 2 and protag-HiSec anti-chicken IgY-X2 Sulfo-Cyanin 5 (Cy5)(green). Nuclei were stained using DAPI (blue)(courtesy of NanoTag Biotechnologies GmbH).



Mouse cerebellum section stained with chicken anti-MAP 2 and protag-HiSec anti-chicken IgY-X2 Sulfo-Cyanin 5 (Cy5)(green). Nuclei were stained using DAPI (blue)(courtesy of NanoTag Biotechnologies GmbH).