

GABA antibody - Chicken polyclonal Ab

Ref: IS1036

The anti-GABA antibody IS1036 is a **chicken** polyclonal antibody developed for its superior affinity and specificity but also to work in multiplex staining with rabbit polyclonal or mouse monoclonal antibodies. Combined with the [STAINperfect immunostaining kit A](#) for samples preparation, this antibody allows visualization of GABA within whole mounts, cell culture and tissue sections.

Clonality	Polyclonal
Host	Chicken
Eligible samples	whole mounts, cell culture, tissue sections
Species reactivity	Reacts with all species
Staining procedure	STAINperfect immunostaining kit A
Format	50µL (approx. 40 tissue sections)

Product information

Product overview

Product name	GABA antibody - Chicken pAb
Synonyms	Anti-?-Aminobutyric acid antibody Anti-gamma-Aminobutyric acid antibody
Immunogen	Conjugated GABA
Specificity	When tested in competitive ELISA, the anti-conjugated GABA antibody did not show any significant cross reactivity with ?-Aminobutyric acid analogs, including ?-Alanine and D-Alanine.
Volume	50µL
Lot number	150901

Storage

Form	Liquid
Purity	Purified anti-serum
Storage buffer	Store at +4°C for short term (1-2 weeks). 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 GABA staining](#)

Protocols-at-a-glance

[Complete Instructions for Use](#)

[Protocol-at-a-glance for cell cultures](#)

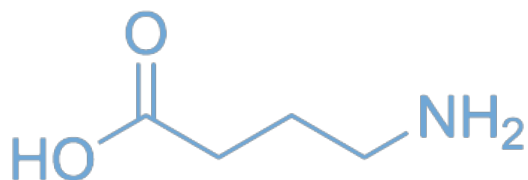
[Protocol-at-a-glance for whole mounts](#)

References

Enregistrer
Enregistrer

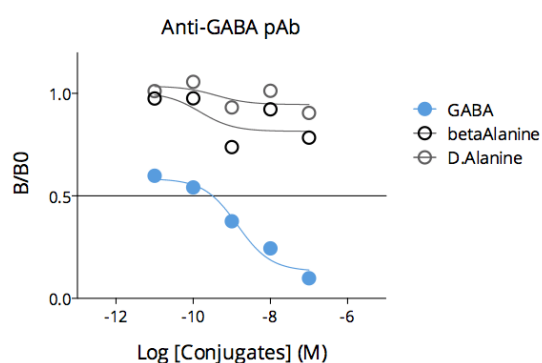
Product pictures

GABA (?-Aminobutyric acid)

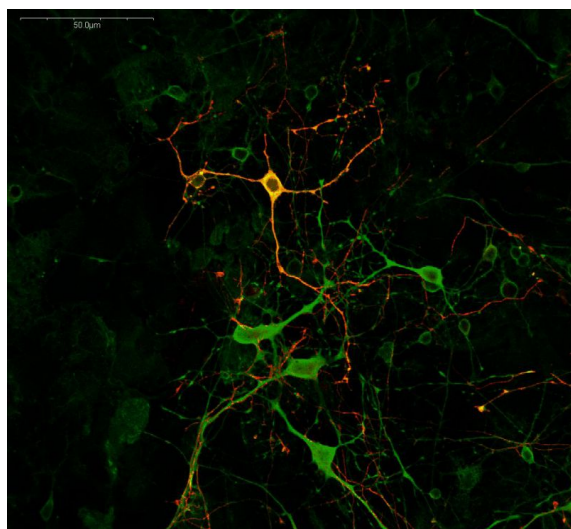


GABA

Affinity & specificity of anti-GABA antibody

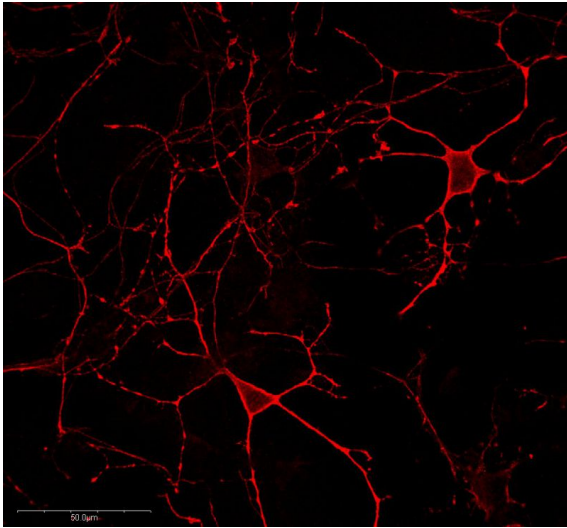


Competitive ELISA demonstrates that low amounts of GABA conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of GABA competitors beta Alanine or D-Alanine do not affect reaction (high specificity).



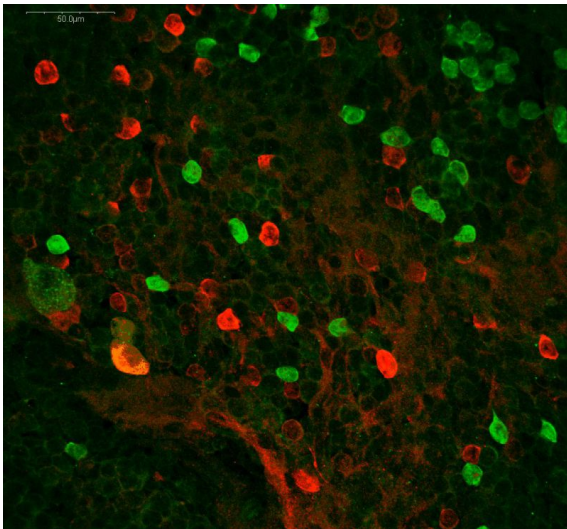
GABA and L-Serine in mouse primary neurons culture

Primary mouse cortical neurons were stained using anti-GABA chicken polyclonal antibody (red) and anti-L-Serine polyclonal rabbit antibody (green) using the STAINperfect immunostaining kit A and according to the optimized protocol for cell culture. Co-immunostaining appears in yellow. Alexa fluor 546 and 488 conjugated secondary antibodies respectively were used and picture obtained by confocal imaging.



GABA immunostaining in mouse cortical primary neurones

Primary mouse cortical neurones were stained using anti-GABA chicken polyclonal antibody and the STAINperfect immunostaining kit A according to the optimized protocol for cell culture. Alexa fluor 546 conjugated secondary antibody was used and picture obtained by confocal imaging.



GABA and Dopamine immunostaining in crayfish eyetalk

Using STAINperfect immunostaining kit A, the anti-GABA (red) chicken polyclonal antibody (IS1036) combined with anti-dopamine (green) rabbit polyclonal antibody (IS1005) demonstrate the presence of GABA and dopamine in crayfish eyetalk. The staining was performed according to the protocol optimized for whole-mount samples. Fluorescent labeled secondary antibodies were used and image obtained by fluorescence imaging.

Contact information

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

<https://www.immusmol.com/gaba-antibody-chicken-polyclonal-ab-validated-if-ihc.html>