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Datasheet for 806-4602

Fab Guinea Pig IgG (H&L) Antibody Biotin Conjugated

Overview

Description:	Rabbit Fab Anti-Guinea Pig IgG (H&L) Antibody Biotin Conjugated - 806-4602
Item No.:	806-4602
Size:	500 µg
Applications:	IF
Reactivity:	Guinea Pig
Host Species:	Rabbit

Product Details

Background:	Fab Anti-Guinea Pig IgG Biotin Antibody generated in rabbit detects guinea pig IgG. This product possesses the F(ab) region possessing the epitope-recognition site, both heavy and light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
Synonyms:	Rabbit Fab Anti-Guinea Pig IgG Biotin Conjugated Antibody, Rabbit Fab Fragment Anti-Guinea Pig IgG Antibody Biotin Conjugation
Host Species:	Rabbit
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG Fab

Target Details

Reactivity:	Guinea Pig
Immunogen:	Guinea Pig IgG whole molecule

Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Guinea Pig IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, papain digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin and anti-Rabbit Serum. No reaction was observed against anti-Papain or anti-Rabbit IgG F(c).

Application Details

Suggested Applications:	IF (Based on references)
Application Note:	Suitable for immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

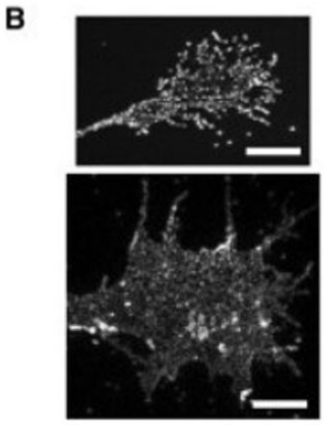
Physical State:	Lyophilized
Concentration:	0.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	500 µL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
(B) Maximum projection of fluorescence images of QD-labeled receptors diffusing in the membrane during the experiment and showing the shape of a thin and a large GC. Scale bar 10 µm. Fig4. PMID: 23083707.

References

- Morel M et al. Amplification and temporal filtering during gradient sensing by nerve growth cones probed with a microfluidic assay. *Biophys J.* (2012)

Disclaimer