Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for C103

Guinea Pig Liver Acetone Tissue Powder

Overview

Description:	Guinea Pig Liver Acetone Tissue Powder - C103
Item No.:	C103
Size:	1 g
Applications:	IHC, Cellular Assay
Origin:	Guinea Pig

Product Details

Background:	Guinea Pig liver acetone tissue powders are a convenient source of proteins and other macromolecules suitable for use with antibodies, general immunology and general immunoassays.
Synonyms:	Acetone powders prepared from guinea pig liver tissue, micronized guinea pig liver tissue powders, biologically active compounds from guinea pig liver
Species of Origin:	Guinea Pig

Target Details

Purity/Specificity:	Guinea Pig liver acetone tissue powders are produced by washing the various organs repeatedly in saline to remove blood followed by multiple precipitations in acetone until all lipid is removed. Acetone is removed by desiccation.

Application Details

Tested Applications:	IHC
Suggested Applications:	Cellular Assay (Based on references)
Application Note:	Guinea Pig liver acetone tissue powder has been tested in IHC and is suitable for use as a specific adsorbent to remove unwanted reactivities or as a source material. Guinea Pig liver acetone tissue powder provides a high nuclear content and is micronized to a fine powder.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

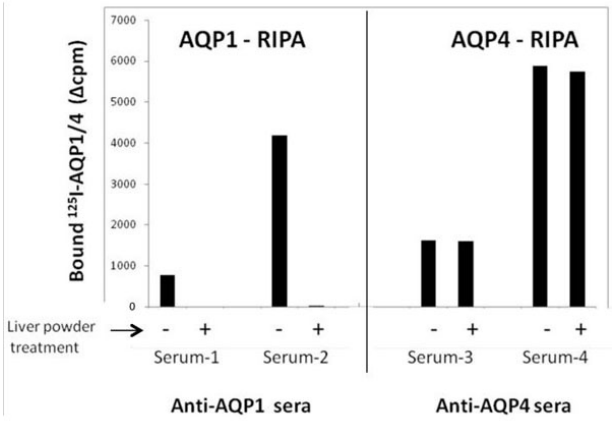
Formulation

Physical State:	Powder
Buffer:	None
Sterility:	Non-sterile
Preservative:	None
Stabilizer:	None

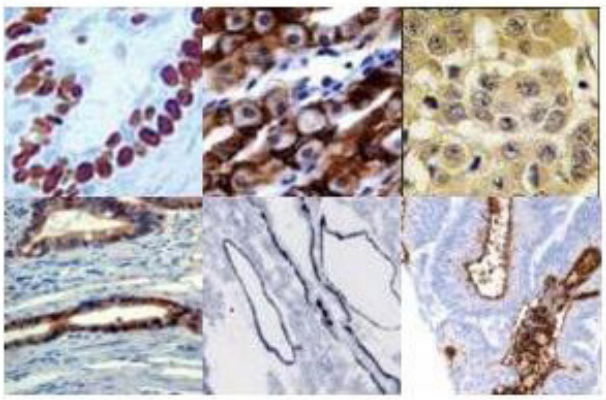
Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C or at -20° C or colder prior to opening product.
Expiration:	No expiration date is given for this product if properly stored.

Images



ELISA
Liver powder removes anti-AQP1 antibodies.Two exclusively anti-AQP1-positive and two exclusively anti-AQP4-positive serum samples were pretreated with guinea pig liver powder, then the supernatants were tested by RIPA using indirectly radiolabeled AQP1 (left panel) or AQP4 (right panel). Key: +, pretreated serum; -, untreated serum.
Five microliter samples of test sera were diluted in 100 µl of 0.2% bovine serum albumin (BSA) in PBS and pretreated with 20 mg of guinea pig liver powder (p/n C103) for 1 h at room temperature. After centrifugation, the supernatants were tested by AQP1-RIPA and AQP4-RIPA and the results compared to those obtained using untreated sera. Figure 2.
PMID: 24086369.



Immunohistochemistry
Immunohistochemistry Protein Blocker is the best first choice for blocking paraffin fixed or frozen sectioned tissues specimens for immunohistochemical staining for immunoenzymatic signal processing. IHC Protein Blocker is suitable for manual or automated IHC staining systems.

References

- Tzartos JS et al. Anti-aquaporin-1 autoantibodies in patients with neuromyelitis optica spectrum disorders. *PLoS One.* (2013)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.