

Datasheet for 200-301-G28**Pancortin Antibody****Overview**

Description:	Anti-Pancortin (MOUSE) Monoclonal Antibody - 200-301-G28
Item No.:	200-301-G28
Size:	100 µg
Applications:	IHC, IP, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Pancortin, a member of a diverse family of secreted glycoproteins, is implicated in the development of the nervous system, and the glaucoma-associated protein myocilin. Studies suggest that Pancortin-2 interact with WAVE1 in a novel cell death cascade in adult, but not embryonic, cerebral cortical neurons. Specifically pancortin-2 is a mediator of ischemia-induced apoptosis of neurons in the adult cerebral cortex, and functions in a novel mitochondrial/actin associated protein complex that sequesters Bcl-xL. It is also involved in the generation of neural crest cells, and in neurogenesis.
Synonyms:	Noelin, AMY, Noe1, Olfm1, Olfactomedin1, Neuronal olfactomedin-related ER localized protein, Pancortin
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S96-7
Format:	IgG1

Target Details

Gene Name:	OLFM1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Pancortin Antibody was produced in mice by repeated immunizations raised against a synthetic peptide corresponding to an internal region of human pancortin-1.
Purity/Specificity:	Anti-Pancortin Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Pancortin from Mouse, Human, and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with Pancortin from other sources has not been determined. Neuroscience research.
Relevant Links:	• NCBI - NP_001269540.1 • GeneID - 10439 • UniProtKB - Q99784

Application Details

Tested Applications:	IHC, IP, WB
Application Note:	Anti-Pancortin Antibody is tested for use in WB, IHC and IP. Expect a band approximately ~70kDa (Pancortin-1, Pancortin-3) and ~20kDa (Pancortin-2 and Pancortin-4) on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1.0-10ug/mL
IHC:	0.1-1.0ug/mL
IP:	User Optimized
WB:	1ug/mL

Formulation

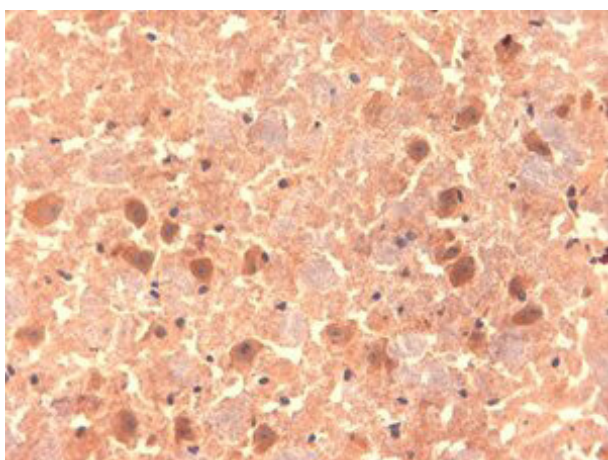
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. 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



Immunohistochemistry

Immunohistochemistry of mouse anti-Pancortin antibody.
Tissue: Frozen sections of mouse brain extract. Primary Antibody: Pancortin antibody at 1 µg/mL for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: Endoplasmic reticulum lumen. Staining: Pancortin as brown signal.

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.