

Datasheet for 200-301-G11**Pan-MAGUK Antibody****Overview**

Description:	Anti-MAGUK (MOUSE) Monoclonal Antibody - 200-301-G11
Item No.:	200-301-G11
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat, Xenopus, Zebrafish
Host Species:	Mouse

Product Details

Background:	Membrane associated guanylate kinases (MAGUKs) form a family of scaffolding proteins, which are often associated with cellular junctions. Their capacity to serve as platforms for organizing larger protein assemblies results from the presence of several protein-protein interaction domains. PDZ-domain containing proteins of the MAGUK family target, anchor and cluster receptors and channels to subcellular sites.
Synonyms:	SAP90/PSD-95-associated protein, SAPAP, PSD-95/SAP90-binding protein, hGKAP, Guanylate kinase-associated protein, DAP, Disks large-associated protein
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S28-86
Format:	IgG1

Target Details

Gene Name:	DLG4
Reactivity:	Human, Mouse, Rat, Xenopus, Zebrafish
Immunogen Type:	Recombinant Protein
Immunogen:	MAGUK Antibody was produced in mice by repeated immunizations raised against a fusion protein corresponding to an internal region of human PSD95/Sap90.

Purity/Specificity: Anti-PAN-MAGUK Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with MAGUK from Mouse, Human, Zebrafish, Xenopus, and rat based on 100% homology with the immunizing sequence. Cross-reactivity with MAGUK from other sources has not been determined. Scaffolds research.

Relevant Links:

- [UniProtKB - P78352](#)
- [NCBI - NP_001122299.1](#)
- [GeneID - 1742](#)

Application Details

Tested Applications: IHC, WB

Application Note: Anti-PAN-MAGUK Antibody is tested for use in WB, IHC and IP. Expect a band approximately ~95-110kDa 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: 1mg/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

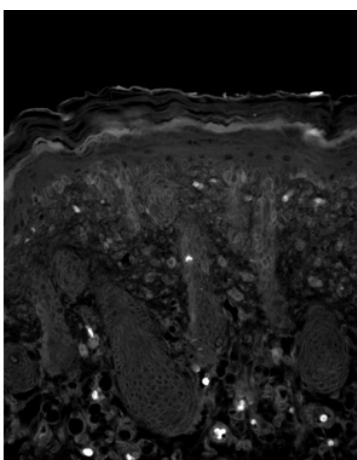
Shipping & Handling

Shipping Condition: Dry Ice

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-MAGUK antibody.
Tissue: Sections of Mouse Backskin. Primary Antibody: MAGUK antibody at 1 µg/mL for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: N/A. Staining: MAGUK as white 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.