



## Anti-Damage Related Autophagy Modulator (RABBIT) Antibody - 600-401-A70

**Code:** 600-401-A70

**Size:** 100 µg

**Product Description:** Anti-Damage Related Autophagy Modulator (RABBIT) Antibody - 600-401-A70

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**Physical State:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	DRAM1, DRAM
<b>Species Reactivity</b>	human, mouse, rat
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	DRAM antibody, FLJ11259 antibody
<b>Application Note</b>	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~33 kDa in size corresponding to DRAM by western blotting in the appropriate cell lysate or extract. K562 cell lysate can be used as positive control.
<b>Background</b>	Damage-regulated autophagy modulator (DRAM) is a p53 target gene encoding a lysosomal protein that induces autophagy, a process that degrades cytosolic proteins and organelles. It has been suggested that activation of DRAM by p53 is simultaneous to the activation by p53 of one or more proapoptotic genes such as PUMA, Bax, etc., and that the signaling pathways regulated by these genes together promote a full cell death response. By itself, DRAM cannot induce apoptosis, but the fact that it is inactivated in certain cancers highlights the importance of DRAM and suggests that autophagy may play a more important role in cancer than initially suspected. At least two different isoforms of DRAM are known to exist.
<b>Purity And Specificity</b>	This affinity purified antibody is directed against human DRAM protein. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody reacts with DRAM from human, mouse and rat sources. Reactivity with DRAM from other sources has not been determined.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:10,000 - 1:40,000
<b>Western Blot</b>	0.5 - 2 µg/ml
<b>IF Microscopy</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the amino terminus of human DRAM protein.
<b>Related Products</b>	
200-301-268	Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268
610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

## Related Links

UniProtKB - Q8N682

<http://www.uniprot.org/uniprot/Q8N682>  
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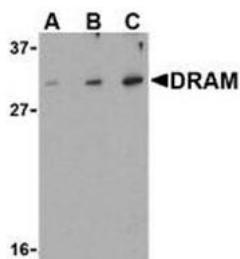
NCBI - Q8N682 <http://www.ncbi.nlm.nih.gov/protein/Q8N682>

GeneID - 55332

## Images

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Western blot using Rockland's affinity purified anti-DRAM antibody shows detection of a predominant band at ~33 kDa corresponding to DRAM (arrowhead) in K562 whole cell lysate. The predicted MW of DRAM is 26 kDa. DRAM was detected using 0.5 µg/ml (lane A), 1.0 µg/ml (lane B) and 2 µg/ml (lane C) concentrations of primary antibody.



## 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.