

DRAM Polyclonal Antibody

Catalog NumberPA5-20336

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	A 16 amino acid peptide from near the amino terminus of human DRAM.	Immunohistochemistry (IHC)	2.5 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	1-2 µg/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is K562 cell lysate. PA5-20336 can be used with blocking peptide PEP-0456.

Background/Target Information

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.

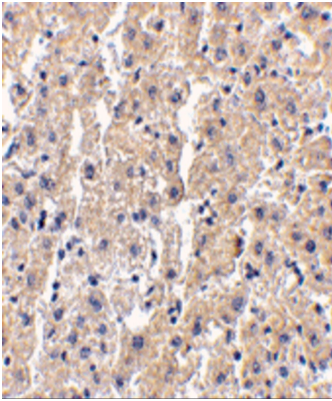
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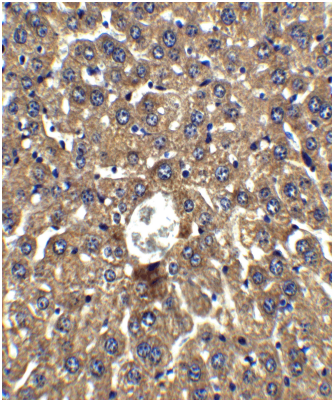
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Product Images For DRAM Polyclonal Antibody



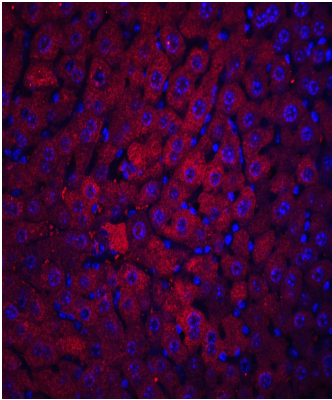
DRAM Antibody (PA5-20336) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human liver tissue using DRAM Polyclonal Antibody (Product # PA5-20336) at 2.5 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



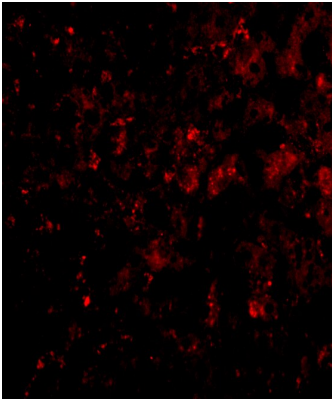
DRAM Antibody (PA5-20336) in IHC (P)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue using DRAM Polyclonal Antibody (Product # PA5-20336) at 2 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



DRAM Antibody (PA5-20336) in IHC (P)

Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse liver tissue labeling DRAM with DRAM Polyclonal Antibody (Product # PA5-20336) at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1:500 dilution (red) and DAPI staining (blue).



DRAM Antibody (PA5-20336) in IHC (P)

Immunofluorescent analysis of 4% paraformaldehyde-fixed human liver tissue labeling DRAM with DRAM Polyclonal Antibody (Product # PA5-20336) at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1:500 dilution (red).

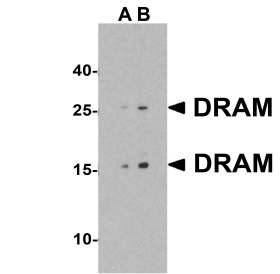
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DRAM Antibody (PA5-20336) in WB

Western Blot Validation in Human 293 Cell Lysate. Loading: 15 µg of lysate per lane. Antibodies: DRAM Polyclonal Antibody (Product # PA5-20336) (A: 1 µg/mL, B: 2 µg/mL), 1h incubation at RT in 0.05 NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10,000 dilution.



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