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DRAM Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1825a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q8N682
Other Accession	Q9DC58
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12475
Calculated MW	26253
Antigen Region	27-56

Additional Information

Gene ID	55332
Other Names	DNA damage-regulated autophagy modulator protein 1, Damage-regulated autophagy modulator, DRAM1, DRAM
Target/Specificity	This DRAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-56 amino acids from the N-terminal region of human DRAM.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DRAM Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DRAM1
Synonyms	DRAM

Function	Lysosomal modulator of autophagy that plays a central role in p53/TP53-mediated apoptosis. Not involved in p73/TP73-mediated autophagy.
Cellular Location	Lysosome membrane; Multi-pass membrane protein

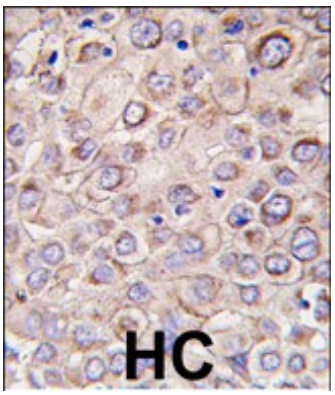
Background

This gene is regulated as part of the p53 tumor suppressor pathway. The gene encodes a lysosomal membrane protein that is required for the induction of autophagy by the pathway. Decreased transcriptional expression of this gene is associated with various tumors. This gene has a pseudogene on chromosome 4.

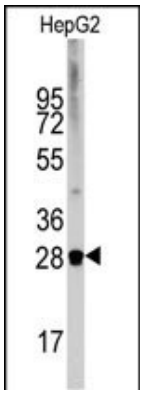
References

Kerley-Hamilton,J.S., Biochim. Biophys. Acta 1769 (4), 209-219 (2007) Crighton,D., Autophagy 3 (1), 72-74 (2007) Crighton,D., Cell 126 (1), 121-134 (2006) Green,D.R., Cell 126 (1), 30-32 (2006)

Images



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with *DRAM antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western blot analysis of anti-DRAM Antibody (N-term) (Cat.#AP1825a) in HepG2 cell line lysates (35ug/lane). DRAM (arrow) was detected using the purified Pab.

Citations

- Dual programmed cell death pathways induced by p53 transactivation overcome resistance to oncolytic adenovirus in human osteosarcoma cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.