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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
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

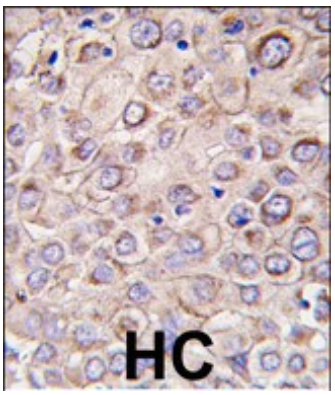
Background

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.

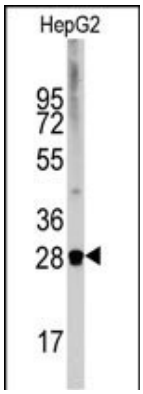
References

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.