10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DRAM Antibody (C-term)-2

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1825b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8N682
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12871
Calculated MW	26253
Antigen Region	206-238

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 206-238 amino acids from the C-terminal region of human DRAM.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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 (C-term)-2 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

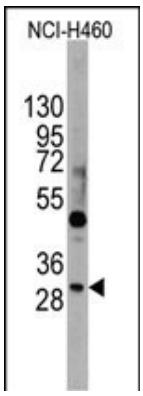
Background

DRAM is regulated as part of the p53 tumor suppressor pathway. It is a lysosomal membrane protein that is required for the induction of autophagy by the pathway. Decreased transcriptional expression of the gene encoding DRAM is associated with various tumors.

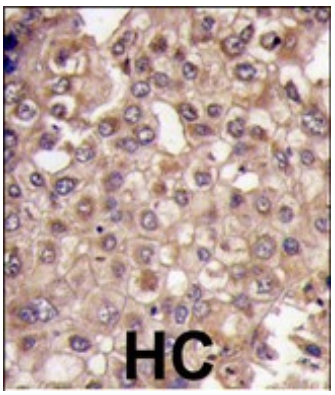
References

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



Western blot analysis of anti-DRAM (C-term)-2 Pab (RB12871) in NCI-H460 cell line lysates (35ug/lane). DRAM (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with DRAM (C-term)-2, 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.

Citations

- Dual programmed cell death pathways induced by p53 transactivation overcome resistance to oncolytic adenovirus in human osteosarcoma cells.
- A rapid method to improve protein detection by indirect ELISA.