

For Research Use Only

DRAM Polyclonal antibody

Catalog Number: 31777-1-AP



Basic Information

Catalog Number:

31777-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33711

GenBank Accession Number:

BC018435

GeneID (NCBI):

55332

UNIPROT ID:

Q8N682

Full Name:

damage-regulated autophagy modulator

Calculated MW:

26 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HCT 116 cells, HeLa cells, HepG2 cells

Background Information

Damage-regulated autophagy modulator (DRAM) is a lysosomal membrane protein of autophagy that enriches in lung tissue and plays a central role in p53/TP53-mediated apoptosis (PMID: 16839881), which increased autophagy flux by promoting lysosomal acidification and protease activation (PMID: 23696801). It has 238 amino acids and six hydrophobic transmembrane regions. Reports show DRAM to be downregulated in squamous cancers, indicating a selective pressure to lose DRAM during tumor development (PMID: 17102582). Overexpression of DRAM1 can promote mitophagy and enhance mitochondrial function (PMID: 31204316).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

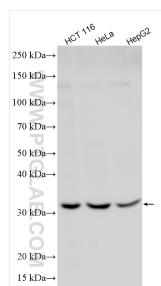
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31777-1-AP (DRAM antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.