

Mouse GRAMD4 Monoclonal Antibody | anti-GRAMD4 antibody

GRAMD4 (Transcription Factor) Mouse Monoclonal Antibody [Clone PCRP-GRAMD4-1A10]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215649	Mouse	Human Predicted to react in Rat.	Immunofluorescence, Flow Cytometry, Functional Assay

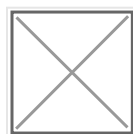
PRODUCT SYNONYMS

GRAMD4; Monoclonal Antibody; GRAMD4 (Transcription Factor) Mouse Monoclonal Antibody [Clone PCRP-GRAMD4-1A10]; GRAMD4 (Transcription Factor); Death-inducing protein; GRAM domain-containing protein 4 (GRAMD4); anti-GRAMD4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human Predicted to react in Rat.
Clonality	Monoclonal
Isotype	Mouse/IgG1
Clone Number	PCRP-GRAMD4-1A10
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-GRAMD4 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human GRAMD4 protein
Cellular Localization	Mitochondrion membrane, Colocalizes with COX4I1
Positive Control	Human liver, heart or fetal brain.
Hu-chromosome Location	22q13.31
Unigene	475150
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of PFA-fixed HeLa cells. GRAMD4 Mouse Monoclonal Antibody (PCRP-GRAMD4-1A10) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

ADDITIONAL INFORMATION

Related Product Information for anti-GRAMD4 antibody	The gene encoding GRAMD4 (GRAM domain-containing protein 4) maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. GRAMD4, also designated death-inducing protein (DIP), is a 578 amino acid mitochondrial membrane protein that acts as an essential mediator of the p53-independent E2F-1 death pathway, which is frequently found to be deregulated in several types of cancers. Overexpression of GRAMD4 results in a strong apoptotic response involving caspase-3 activation and cleavage of poly(ADP-ribose)-polymerase. GRAMD4 is expressed in lung and in primary lung squamous cell carcinoma (LSCC) and shows upregulation in mitochondria by E2F1 after addition of 4-hydroxytamoxifen. This evidence suggests that GRAMD4 may be a potential target for cancer therapies.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67763814
NCBI GeneID	23151
NCBI Accession #	NP_055939.1
NCBI GenBank Nucleotide #	NM_015124.4
UniProt Accession #	Q6IC98; Q68EN0; Q9UGE6; Q9Y4B9; A9IN51; A9IN57
Molecular Weight	10,923 Da
NCBI Official Full Name	GRAM domain-containing protein 4
NCBI Official Synonym Full Names	GRAM domain containing 4
NCBI Official Symbol	GRAMD4
NCBI Official Synonym Symbols	DIP; dA59H18.1; dJ439F8.1
NCBI Protein Information	GRAM domain-containing protein 4
UniProt Protein Name	GRAM domain-containing protein 4
UniProt Gene Name	GRAMD4
UniProt Synonym Gene Names	DIP; KIAA0767
UniProt Entry Name	GRAM4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gramd4-antibody-clone-pcrp-gramd4-1a10-immunofluorescence-flow-cytometry-elisa/215649>