

Datasheet for ABIN7126410 **anti-GRAMD4 antibody**

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Overview

Quantity:	100 µg
Target:	GRAMD4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GRAMD4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant full-length human GRAMD4 protein
Isotype:	IgG1
Specificity:	<p>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.</p>
Cross-Reactivity (Details):	Human. Predicted to react in Rat.

Product Details

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	GRAMD4
Alternative Name:	GRAMD4 (GRAMD4 Products)
Background:	Death-inducing protein, GRAM domain-containing protein 4 (GRAMD4),GRAMD4 (Transcription Factor) Cellular localisation: Mitochondrion membrane. Colocalizes with COX4I1.
Molecular Weight:	66kDa
Gene ID:	23151, 475150
UniProt:	Q6IC98

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: Human liver, heart or fetal brain.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months