Datasheet for ABIN6141192

anti-GNA12 antibody (AA 1-200)

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1 Image

Overview

Quantity:	100 µL
Target:	GNA12
Binding Specificity:	AA 1-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNA12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human GNA12 (NP_031379.2).
Sequence:	MSGVVRTLSR CLLPAEAGGA RERRAGSGAR DAEREARRRS RDIDALLARE RRAVRRLVKI LLLGAGESGK STFLKQMRII HGREFDQKAL LEFRDTIFDN ILKGSRVLVD ARDKLGIPWQ YSENEKHGMF LMAFENKAGL PVEPATFQLY VPALSALWRD SGIREAFSRR SEFQLGESVK YFLDNLDRIG QLNYFPSKQD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

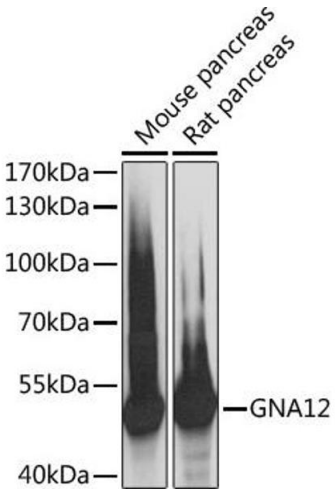
Target:	GNA12
Alternative Name:	GNA12 (GNA12 Products)
Background:	Guanine nucleotide-binding proteins (G proteins are involved as modulators or transducers in various transmembrane signaling systems. Activates effector molecule RhoA by binding and activating RhoGEFs (ARHGEF12/LARG. GNA12-dependent Rho signaling subsequently regulates transcription factor AP-1 (activating protein-1 (By similarity. GNA12-dependent Rho signaling also regulates protein phosphatese 2A activation causing dephosphorylation of its target proteins. Promotes tumor cell invasion and metastasis by activating RhoA/ROCK signaling pathway and up-regulating proinflammatory cytokine production. Inhibits CDH1-mediated cell adhesion in process independent from Rho activation. Together with NAPA promotes CDH5 localization to plasma membrane. May play a role in the control of cell migration through the TOR signaling cascade.,GNA12,NNX3,RMP,gep,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Signal Transduction,G protein signaling,mTOR Signaling Pathway,MAPK-JNK Signaling Pathway,GNA12
Molecular Weight:	34 kDa/37 kDa/44 kDa
Gene ID:	2768
UniProt:	Q03113

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using GN antibody (ABIN6131706, ABIN6141192, ABIN6141193 and ABIN6217845) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.