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Datasheet for ABIN7269963

anti-ARHGAP11B antibody (AA 218-267)

1 Image

Overview

Quantity:	100 µL
Target:	ARHGAP11B
Binding Specificity:	AA 218-267
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARHGAP11B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ARHGAP11B Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 218-267 of human ARHGAP11B (NP_001034930.1).
Sequence:	EKKGVYQTLS WKRYQPCWVL MVSVLLHHWK ALKKVNMKLL VNIREREDNV
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

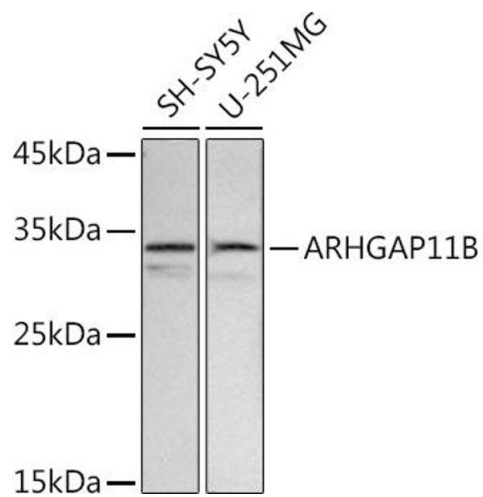
Target:	ARHGAP11B
Alternative Name:	ARHGAP11B (ARHGAP11B Products)
Background:	Hominin-specific protein that promotes development and evolutionary expansion of the brain neocortex. Able to promote amplification of basal progenitors in the subventricular zone, producing more neurons during fetal corticogenesis, thereby playing a key role in neocortex expansion. Promotes the proliferation of basal progenitors by inhibiting the mitochondrial permeability transition pore (mPTP: delays the opening of the mPTP via interaction with ADP:ATP translocase, thereby increasing mitochondrial Ca ²⁺ concentration and inducing glutamine catabolism, which is required for basal progenitor proliferation. Does not possess GTPase activator activity: the absence of GTPase activator activity is required to promote amplification of basal progenitors during neocortex development.,ARHGAP11B,FAM7B1,Signal Transduction,G protein signaling,Signal Transduction,ARHGAP11B
Molecular Weight:	30kDa
Gene ID:	89839
UniProt:	Q3KRB8

Application Details

Application Notes:	WB,1:500 - 1:2000
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 B antibody (ABIN7269963) at 1:500 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: 2s.