

ARHGAP11B Polyclonal Antibody

Catalog No: #29893

Package Size: #29893-1 50ul #29893-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

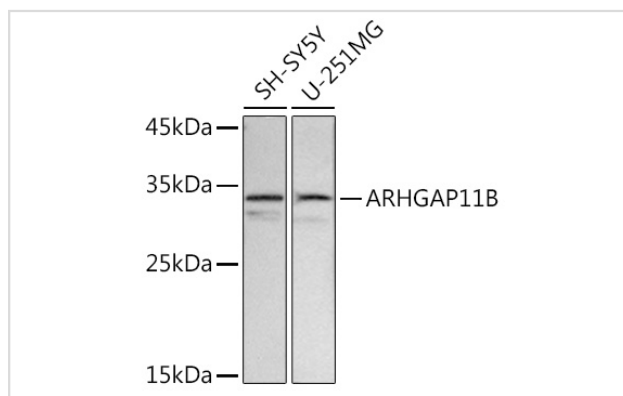
Description

Product Name	ARHGAP11B Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human ARHGAP11B (NP_001034930.1).
Other Names	ARHGAP11B;FAM7B1
Accession No.	Uniprot:Q3KRB8GeneID:89839
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GeneID	89839
Calculated MW	Refer to figures
SDS-PAGE MW	30kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB□1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using ARHGAP11B antibody.

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.

Note: This product is for in vitro research use only