

## Product datasheet for **TA373649**

### **ARHGAP11B Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Human
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 218-267 of human ARHGAP11B (NP_001034930.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	30kDa
Gene Name:	Rho GTPase activating protein 11B
Database Link:	<a href="#">Entrez Gene 89839 Human Q3KRB8</a>



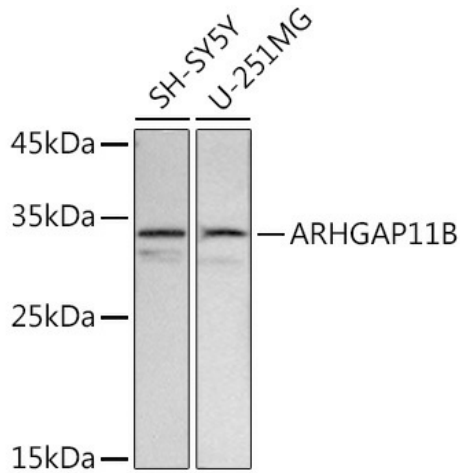
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**Background:**

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<sup>2+</sup> 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.

**Synonyms:**

FAM7B1; MGC104367

**Product images:**

Western blot analysis of extracts of various cell lines, using ARHGAP11B antibody (TA373649) at 1:500 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 2s.