For Research Use Only

ARID1A Polyclonal antibody

Catalog Number:20652-1-AP

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Basic Information

Catalog Number:
20652-1-AP

Size:
300 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_006015

GeneID (NCBI):
8289

UNIPROT ID:
O14497

Full Name:
AT rich interactive domain 1A (SWI-like)

Calculated MW:
242 kDa

Observed MW:
22 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
ELISA

Species Specificity:
human

Background Information

ARID1A, also named as BAF250, BAF250A, C1orf4, OSA1 and SMARCF1, is involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). It binds DNA non-specifically. It is also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. ARID1A belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The antibody is specific to ARID1A.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data