

Datasheet for ABIN6243037
anti-ARID1A antibody (AA 1717-1750)[Go to Product page](#)

1 Image

Overview

Quantity:	200 µL
Target:	ARID1A
Binding Specificity:	AA 1717-1750
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARID1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ARID1A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1717-1750 amino acids from human ARID1A.
Clone:	RB53540
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ARID1A
Alternative Name:	ARID1A (ARID1A Products)
Background:	Involved in transcriptional activation and repression of select genes by chromatin remodeling

Target Details

(alteration of DNA-nucleosome topology). Binds DNA non-specifically. 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. 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 transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity).

Molecular Weight: 242045

UniProt: [O14497](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Tube Formation](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

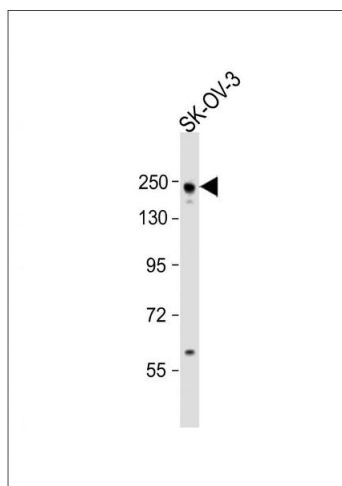
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. Anti-ARID1A Antibody (C-Term) at 1:2000 dilution + SK-OV-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 242 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.