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anti-ARID1A antibody (AA 1930-1964)



Image



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Overview		
Quantity:	200 μL	
Target:	ARID1A	
Binding Specificity:	AA 1930-1964	
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 1930-1964 amino acids from human ARID1A.	
Clone:	RB53541	
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	

(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 chromatinremodeling complex recruited by vitamin D receptor (VDR), which is required for the ligandbound VDR- mediated transrepression of the CYP27B1 gene. Belongs to the neural progenitorsspecific 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 selfrenewal/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: 014497

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

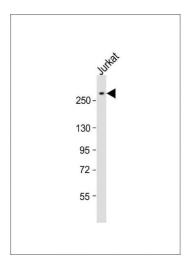
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

4 °C,-20 °C

Expiry Date:

6 months



Western Blotting

Image 1. Anti-ARID1A Antibody (C-Term) at 1:2000 dilution + Jurkat 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.