

Datasheet for ABIN7144775
anti-ARID1A antibody (AA 655-816)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	ARID1A
Binding Specificity:	AA 655-816
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ARID1A antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human AT-rich interactive domain-containing protein 1A protein (655-816AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	ARID1A
Alternative Name:	ARID1A (ARID1A Products)
Background:	Background: Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Binds DNA non-specifically. Belongs to

Target Details

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).

Aliases: actin-dependent regulator of chromatin subfamily F member 1 antibody, AR11A_HUMAN antibody, ARID domain containing protein 1A antibody, ARID domain-containing protein 1A antibody, ARID1A antibody, AT rich interactive domain 1A (SWI like) antibody, AT rich interactive domain 1A antibody, AT rich interactive domain containing protein 1A antibody, AT-rich interactive domain-containing protein 1A antibody, B120 antibody, BAF250 antibody, BAF250A antibody, BM029 antibody, brain protein 120 antibody, BRG1 associated factor 250 antibody, BRG1 associated factor 250a antibody, BRG1-associated factor 250 antibody, BRG1-associated factor 250a antibody, C10RF4 antibody, chromatin remodeling factor p250 antibody, chromosome 1 open reading frame 4 antibody, ELD antibody, hELD antibody, hOSA1 antibody, matrix-associated antibody, MRD14 antibody, Osa homolog 1 antibody, OSA1 antibody, OSA1 nuclear protein antibody, P270 antibody, SMARCF1 antibody, SWI like protein antibody, SWI SNF complex protein p270 antibody, SWI-like protein antibody, SWI/SNF complex protein p270 antibody, SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily f, member 1 antibody, SWI/SNF-related antibody

UniProt: [O14497](#)

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

Application Details

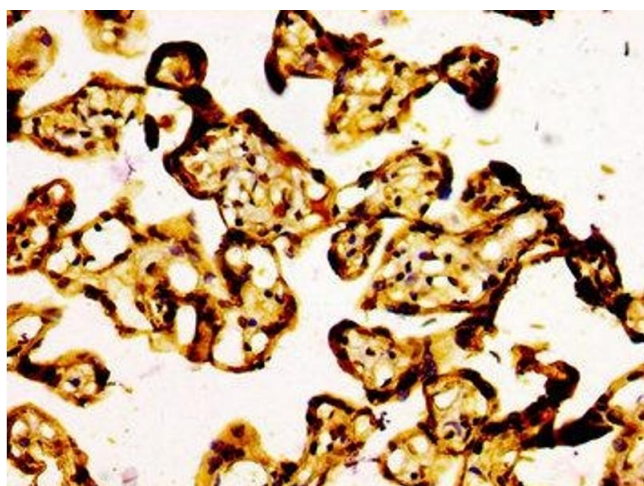
Application Notes: Recommended dilution: IHC:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. IHC image of ABIN7144775 diluted at 1:500 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.