

Rabbit anti-Human ARID1A Polyclonal Antibody | anti-ARID1A antibody

ARID1A Antibody (C-Term)

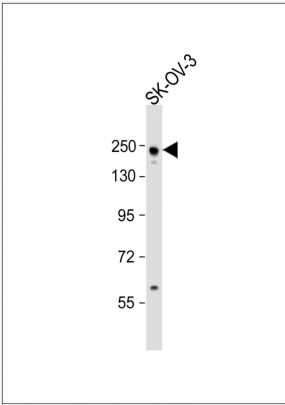
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290575	Rabbit	Human	ELISA, Western Blot

PRODUCT SYNONYMS

ARID1A; Polyclonal Antibody; ARID1A Antibody (C-Term); Purified Rabbit Polyclonal Antibody (Pab); AT-rich interactive domain-containing protein 1A; ARID domain-containing protein 1A; B120; BRG1-associated factor 250; BAF250; BRG1-associated factor 250a; BAF250A; Osa homolog 1; hOSA1; SWI-like protein; SWI/SNF complex protein p270; SWI/SNF-related; matrix-associated; actin-dependent regulator of chromatin subfamily F member 1; hELD; C1orf4; OSA1; SMARCF1; anti-ARID1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This ARID1A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1717-1750 amino acids from human ARID1A.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	2285
Applicable Applications for anti-ARID1A antibody	ELISA, WB (Western Blot)
Antigen Source	Human
Cellular Location	Nucleus {ECO:0000255 PROSITEProRule: PRU00355, ECO:0000269 PubMed:11318604}
Tissue Location	Highly expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon, and PBL, and at a much lower level in heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Anti-ARID1A Antibody (C-Term) at 1:2000 dilution + SK-OV-3 whole cell lysate
Lysates/proteins at 20 ug 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.

ADDITIONAL INFORMATION

Related Product Information for anti-ARID1A antibody	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 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).
Product Categories/Family for anti-ARID1A antibody	Cancer; Signal Transduction
References	Nie Z.,et al.Mol. Cell. Biol. 20:8879-8888(2000). Gregory S.G.,et al.Nature 441:315-321(2006). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases. Inoue H.,et al.J. Biol. Chem. 277:41674-41685(2002). Kato H.,et al.J. Biol. Chem. 277:5498-5505(2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264565
NCBI GeneID	8289
NCBI Accession #	NP_006006.3
NCBI GenBank Nucleotide #	NM_006015.4
UniProt Accession #	O14497; Q53FK9; Q5T0W1; Q5T0W2; Q5T0W3; Q8NFD6; Q96T89; Q9BY33; Q9HBJ5; Q9UPZ1; D3DPL1
Molecular Weight	242045
NCBI Official Full Name	AT-rich interactive domain-containing protein 1A isoform a
NCBI Official Synonym Full Names	AT-rich interaction domain 1A
NCBI Official Symbol	ARID1A

NCBI Official Synonym Symbols	ELD; B120; OSA1; P270; hELD; BM029; MRD14; hOSA1; BAF250; C1orf4; BAF250a; SMARCF1
NCBI Protein Information	AT-rich interactive domain-containing protein 1A
UniProt Protein Name	AT-rich interactive domain-containing protein 1A
UniProt Gene Name	ARID1A
UniProt Synonym Gene Names	BAF250; BAF250A; C1orf4; OSA1; SMARCF1; ARID domain-containing protein 1A; BAF250; BAF250A; hOSA1
UniProt Entry Name	ARI1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/arid1a-antibody-western-blot-elisa/290575>