

For Research Use Only

CoraLite® Plus 488-conjugated ARID1A Recombinant antibody

Catalog Number:CL488-83733-3



Basic Information

Catalog Number: CL488-83733-3	GenBank Accession Number: NM_006015	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 8289	CloneNo.: 240690F1
Source: Rabbit	UNIPROT ID: O14497	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: AT rich interactive domain 1A (SWI-like)	Excitation/Emission maximum wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG30749	Calculated MW: 242 kDa	
	Observed MW: 250-260 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
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.

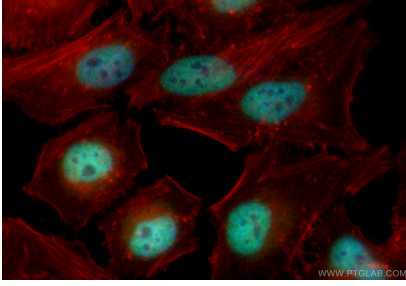
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 ARID1A antibody (CL488-83733-3, Clone: 240690F1) at dilution of 1:200, CL594-Phalloidin (red).