

## ARG45481 anti-VPRBP antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes VPRBP
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Specificity	VPRBP
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	VPRBP
Species	Human
Immunogen	Recombinant protein containing to human VPRBP.
Conjugation	Un-conjugated
Alternate Names	DCAF1; DDB1 And CUL4 Associated Factor 1; KIAA0800; VPRBP; Serine/Threonine-Protein Kinase VPRBP; DDB1- And CUL4-Associated Factor 1; Vpr (HIV-1) Binding Protein; HIV-1 Vpr-Binding Protein; Vpr-Interacting Protein; MGC102804; RIP; Vpr-Binding Protein; Protein VPRBP; EC 2.7.11.1; VprBP

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	169 kDa	

### Properties

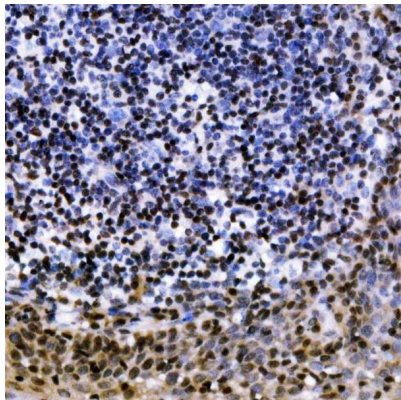
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

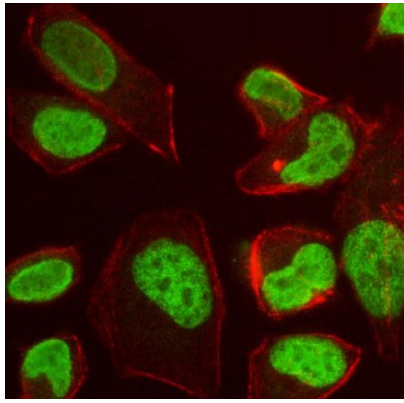
Gene Symbol	DCAF1
Gene Full Name	DDB1 And CUL4 Associated Factor 1
Background	Enables histone H2AT120 kinase activity; nuclear estrogen receptor binding activity; and ubiquitin-like ligase-substrate adaptor activity. Involved in several processes, including cell competition in a multicellular organism; proteasome-mediated ubiquitin-dependent protein catabolic process; and regulation of primary metabolic process. Located in COP9 signalosome; fibrillar center; and nucleoplasm. Part of Cul4-RING E3 ubiquitin ligase complex. Is active in centrosome. [provided by Alliance of Genome Resources, Feb 2025]
Function	Acts both as a substrate recognition component of E3 ubiquitin-protein ligase complexes and as an atypical serine/threonine-protein kinase, playing key roles in various processes such as cell cycle, telomerase regulation and histone modification. Probable substrate-specific adapter of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex, named CUL4A-RBX1-DDB1-DCAF1/VPRBP complex, which mediates ubiquitination and proteasome-dependent degradation of proteins such as NF2. [UniProt]
Calculated Mw	169 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm; Cytoskeleton; Nucleus. [UniProt]

## Images



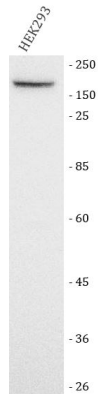
ARG45481 anti-VPRBP antibody IHC-P image

Immunohistochemistry: Human chronic tonsillitis stained with ARG45481 anti-VPRBP antibody at 2 µg/ml dilution.



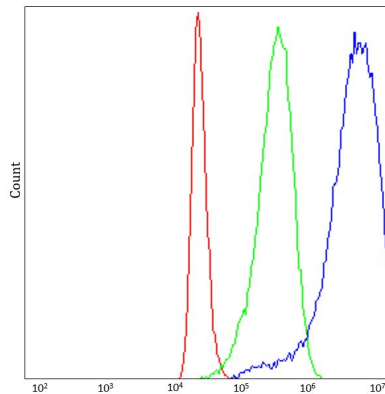
ARG45481 anti-VPRBP antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG45481 anti-VPRBP antibody at 5 µg/ml dilution.



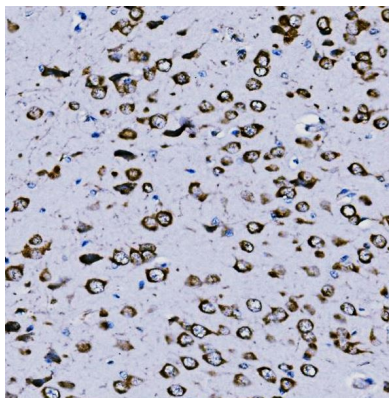
ARG45481 anti-VPRBP antibody WB image

Western blot: HEK293 stained with ARG45481 anti-VPRBP antibody at 0.5 µg/ml dilution.



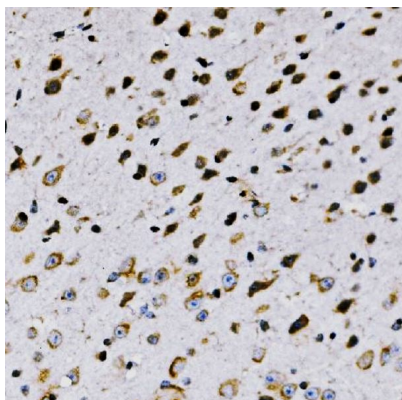
ARG45481 anti-VPRBP antibody FACS image

Flow Cytometry: 293T stained with ARG45481 anti-VPRBP antibody at 1 µg/10<sup>6</sup> cells dilution.



ARG45481 anti-VPRBP antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45481 anti-VPRBP antibody at 2 µg/ml dilution.



ARG45481 anti-VPRBP antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45481 anti-VPRBP antibody at 2 µg/ml dilution.