

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 ⁶ 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

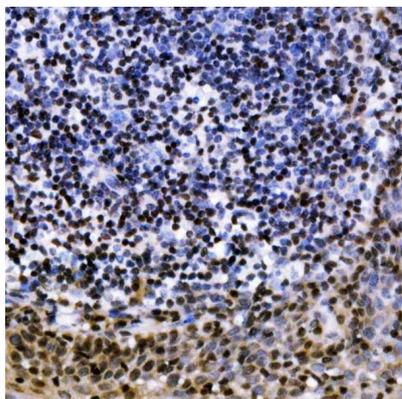
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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

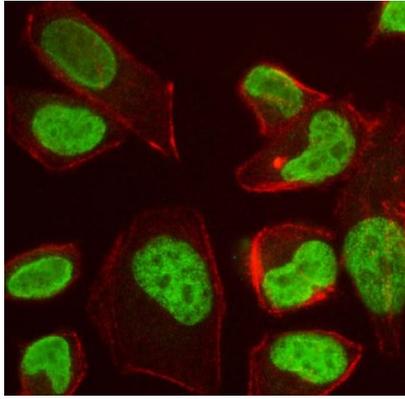
Gene Symbol	DCAF1
Gene Full Name	DDB1 And CUL4 Associated Factor 1
Background	Enables histone H2AT120 kinase activity; nuclear estrogen receptor binding activity; and ubiquitin-like ligase-substrate adaptor activity. Involved in several processes, including cell competition in a multicellular organism; 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



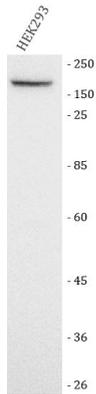
ARG45481 anti-VPRBP antibody IHC-P image

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



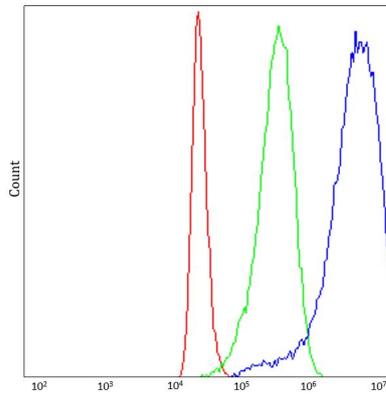
ARG45481 anti-VPRBP antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG45481 anti-VPRBP antibody at 5 $\mu\text{g}/\text{ml}$ dilution.



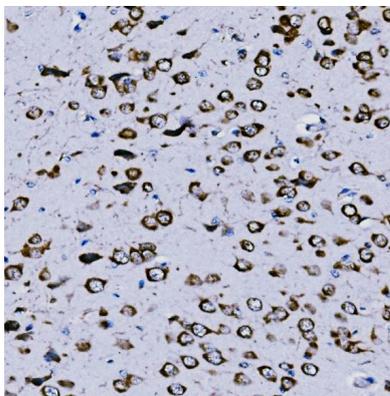
ARG45481 anti-VPRBP antibody WB image

Western blot: HEK293 stained with ARG45481 anti-VPRBP antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



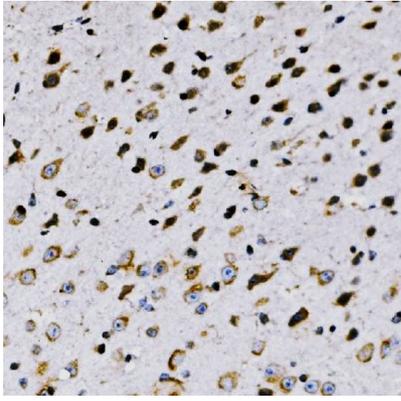
ARG45481 anti-VPRBP antibody FACS image

Flow Cytometry: 293T stained with ARG45481 anti-VPRBP antibody at 1 $\mu\text{g}/10^6$ cells dilution.



ARG45481 anti-VPRBP antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45481 anti-VPRBP antibody at 2 $\mu\text{g}/\text{ml}$ dilution.



ARG45481 anti-VPRBP antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45481 anti-VPRBP antibody at 2 $\mu\text{g}/\text{ml}$ dilution.