

Rabbit VDAC2 Polyclonal Antibody | anti-VDAC2 antibody

Anti-VDAC2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256300	Rabbit	Human, Cynomolgus	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

VDAC2; Polyclonal Antibody; Anti-VDAC2 Antibody; Rabbit Polyclonal; VDAC2 Antibody; Rabbit PAb; Antigen Affinity Purified; voltage-dependent anion channel 2; Anti-POR Antibody; anti-VDAC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Cynomolgus
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human VDAC2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-VDAC2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human VDAC2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human VDAC2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of VDAC2 in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human VDAC2 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human VDAC2 in cynomolgus cerebellum with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human VDAC2 in cynomolgus heart with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human VDAC2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-VDAC2 rabbit polyclonal antibody at 1:500 dilution
Lane A: HeLa Whole Cell Lysate
Lane B: HepG2 Whole Cell Lysate
Lane C: HCT116 Whole Cell Lysate
Lane D: U-251 MG Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
Developed using the ECL technique.
Performed under reducing conditions.
Predicted band size: 31 kDa
Observed band size: 34 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-VDAC2 antibody

The human mitochondrial outer membrane protein voltage-dependent anion channel isoform 2 (hVDAC2) is a beta-barrel metabolite flux channel that is indispensable for cell survival. The hVDAC2 is a mitochondrial porin that translocates calcium and other metabolites across the outer mitochondrial membrane. VDAC2 has been implicated in cardioprotection and plays a critical role in a unique apoptotic pathway in tumor cells. VDAC2 contributes to oxidative metabolism by sharing a role in solute transport across the outer mitochondrial membrane (OMM) with other isoforms of the VDAC family, VDAC1 and VDAC3. VDACs three isoforms (VDAC1, VDAC2, VDAC3) are integral proteins of the outer mitochondrial membrane whose primary function is to permit the communication and exchange of molecules related to the mitochondrial functions.

References

Srivastava SR, et al. (2018) Hydrophobic mismatch modulates stability and plasticity of human mitochondrial vdac2. Biophys J 115 (12): 2386-2394. Saletti R, et al. (2018) Post-translational modifications of vdac1 and vdac2 cysteines from rat liver mitochondria. Biochim Biophys Acta Bioenerg 1859 (9): 806-816. Naghdi S, et al. (2016) Vdac2-specific cellular functions and the underlying structure. Biochim Biophys Acta 1863 (10): 2503-2514. Eddy MT, et al. (2019) Structural characterization of the human membrane protein vdac2 in lipid bilayers by mas nmr. J Biomol NMR 73 (8-9): 451-460.

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vdac2-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256300>