

## Anti-VDAC1 Antibody

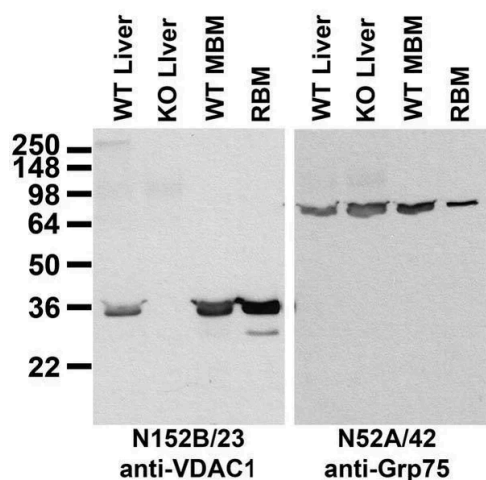


### Product Details

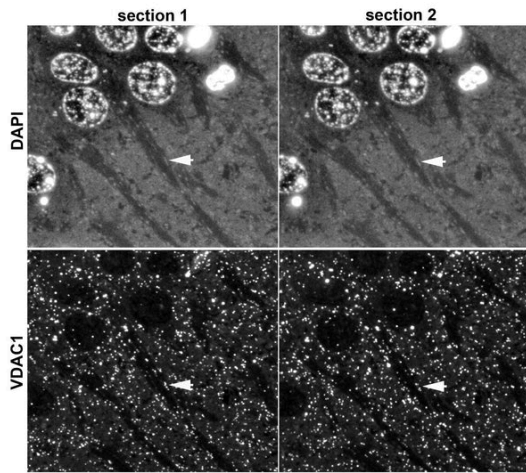
<b>Available Variants</b>	100 µL (SKU:75-204)
<b>Conjugate</b>	Unconjugated
<b>Isotype</b>	IgG2a
<b>Clone</b>	N152B/23
<b>Gene Name</b>	VDAC1 VDAC
<b>Host Species</b>	Mouse
<b>Concentration</b>	1 mg/mL
<b>Format</b>	Purified by Protein A chromatography
<b>Physical State</b>	Liquid
<b>Buffer</b>	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
<b>Production Notes</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
<b>Applications</b>	ELISA, ICC, IHC, WB
<b>Dilution Ranges</b>	WB: 1:1000 IHC: 1:250 ICC: 1:500
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Fusion protein amino acids 1-283 (full-length) of human VDAC1 (accession number P21796) produced recombinantly in E. Coli
<b>Specificity</b>	Does not cross-react with VDAC2 or VDAC3 (based on KO validation results)
<b>Molecular Weight</b>	30 kDa

<b>Quality Control</b>	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
<b>Storage</b>	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.
<b>Antibody Registry ID</b>	AB_2214807
<b>UniProt ID</b>	<a href="#">P21796</a>
<b>Country of Origin</b>	United States
<b>Shipping</b>	Shipped on ice packs
<b>Expiration</b>	24 months from date of receipt
<b>Usage Statement</b>	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

## Product Images



Immunoblot against membranes from livers of wild-type (WT) and VDAC1 knockout (KO) mice and brains of WT mice (MBM) and rat (RBM). Liver samples courtesy of Tatiana Sheiko and Bill Craigen (Baylor College of Medicine).



Array tomography immunofluorescence of 70 nm sections of LRWhite-embedded adult mouse hippocampus. Two consecutive sections labeled with N152B/23 (bottom) and DAPI (top), where low level autofluorescence reveals mitochondria appearing as brighter elongated structures within darker apical dendrites (arrows). Images courtesy of Kristina Micheva (Stanford).



Adult rat hippocampus immunohistochemistry.

Product Page URL: [www.antibodiesinc.com/products/anti-vdac1-antibody-n152b-23-75-204](http://www.antibodiesinc.com/products/anti-vdac1-antibody-n152b-23-75-204)



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