

Anti-VDAC1/Porin Rabbit Monoclonal Antibody

Catalog Number: M01168

About VDAC1

Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH. Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium.

Overview

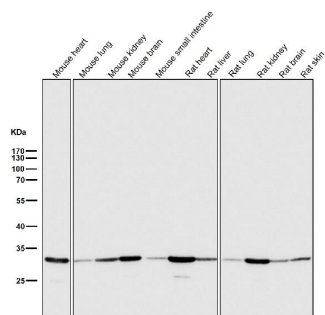
Product Name	Anti-VDAC1/Porin Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VDAC1/Porin Rabbit Monoclonal Antibody catalog # M01168. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal DBA-22
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P21796

Technical Details

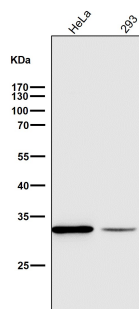
Immunogen	A synthesized peptide derived from human VDAC1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000

	IHC 1:50-1:200 ICC/IF 1:50-1:200
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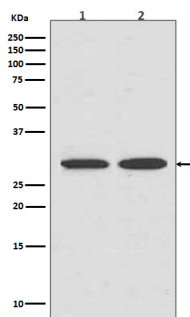
Anti-VDAC1/Porin Rabbit Monoclonal Antibody (M01168) Images



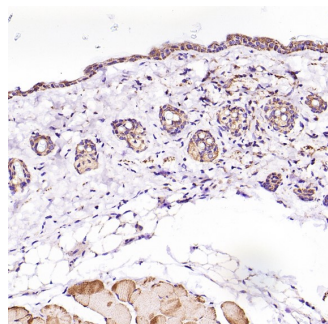
All lanes use the Antibody at 1:2W dilution for 1 hour at room temperature.



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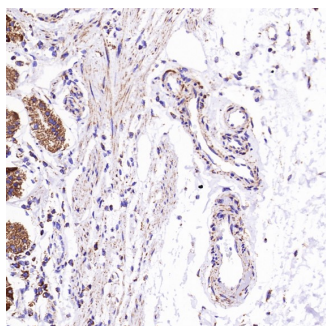


Western blot analysis of VDAC1 expression in (1) HepG2 cell lysate; (2) Jurkat cell lysate.

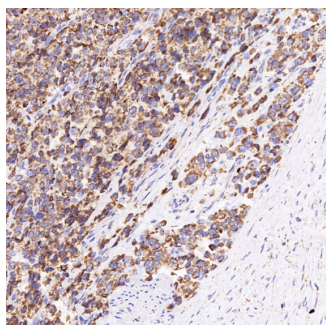


Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:1000 dilution.

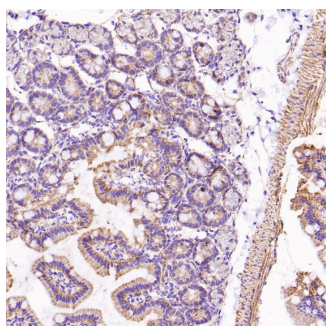
Immunohistochemical analysis of paraffin-embedded Human stomach, using the Antibody at 1:2000 dilution.



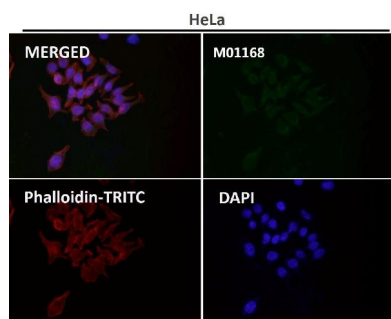
Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:2000 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse intestine, using the Antibody at 1:1000 dilution.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



2 Publications Citing This Product

1. PubMed ID: 30085007, Song H, Telugu BP, Thompson LP. Sexual dimorphism of mitochondrial function in the hypoxic guinea pig placenta. Biol Reprod. 2019 Jan 1;100(1):208-216. doi:10.1093/biolre/ioy167. PMID:30085007; PMCID:PMC6335207.
2. PubMed ID: 33129969, Wu L, Guo X, Wong SY, Lu P, Hartson SD, Medeiros DM, Wang W, Clarke SL, Lucas EA, Smith BJ, Chohanadisai W, Lin D. Deficiency of beta-carotene oxygenase 2 induces mitochondrial fragmentation and activates the STING-IRF3 pathway in the mouse hypothalamus. J Nutr Biochem.

Visit [bosterbio.com/anti-vdac1-rabbit-monoclonal-antibody-m01168-boster.html](https://www.bosterbio.com/anti-vdac1-rabbit-monoclonal-antibody-m01168-boster.html) to see all 2 publications.

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