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Product datasheet for TA338558

VDAC3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-VDAC3 antibody: synthetic peptide directed towards the N terminal of human VDAC3. Synthetic peptide located within the following region: KWNTDNTLGTEISWENKLAEGLKLTLDTIFVPNTGKKSGKLKASYKRDCF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31 kDa
Gene Name:	voltage dependent anion channel 3
Database Link:	NP_005653 Entrez Gene 7419 Human Q9Y277

View online »

Background: This gene encodes a voltage-dependent anion channel (VDAC), and belongs to the mitochondrial porin family. VDACs are small, integral membrane proteins that traverse the outer mitochondrial membrane and conduct ATP and other small metabolites. They are known to bind several kinases of intermediary metabolism, thought to be involved in translocation of adenine nucleotides, and are hypothesized to form part of the mitochondrial permeability transition pore, which results in the release of cytochrome c at the onset of apoptotic cell death. Alternatively transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]

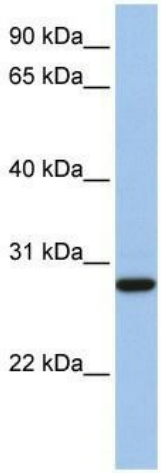
Synonyms: HD-VDAC3; VDAC-3

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 92%

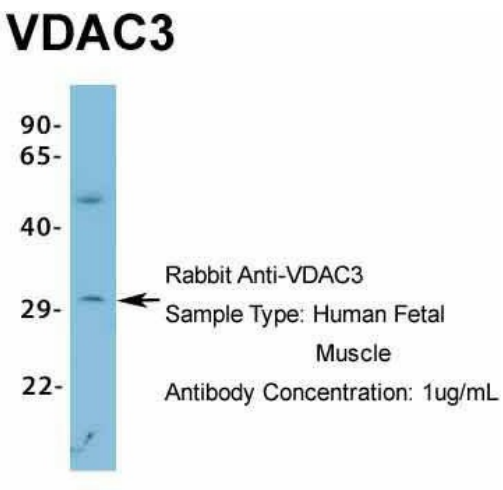
Protein Families: Druggable Genome, Ion Channels: Other

Protein Pathways: Calcium signaling pathway, Huntington's disease, Parkinson's disease

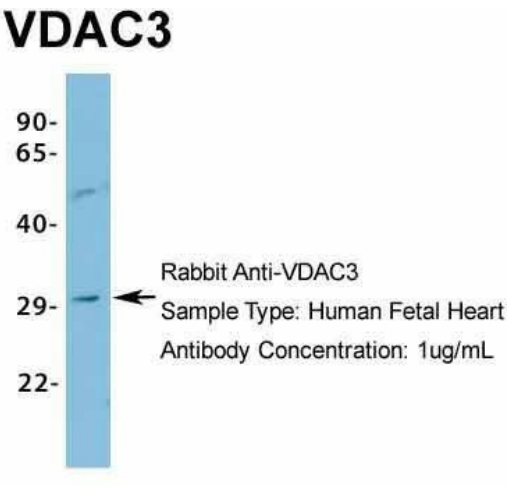
Product images:



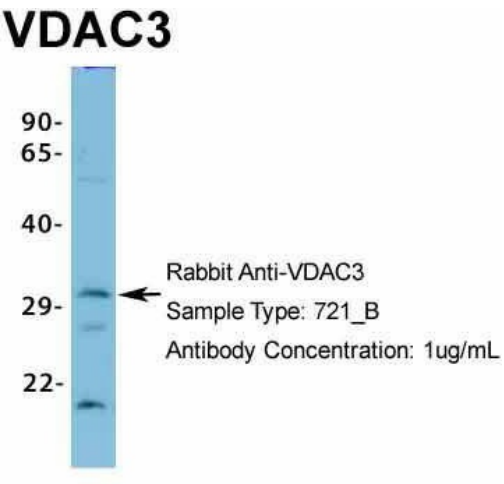
WB Suggested Anti-VDAC3 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Human heart



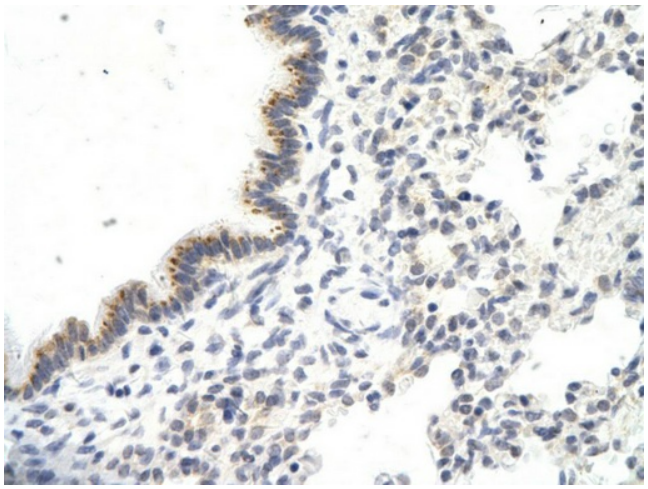
Host: Rabbit; Target Name: VDAC3; Sample Tissue: Human Fetal Muscle; Antibody Dilution: 1.0 ug/ml



Host: Rabbit; Target Name: VDAC3; Sample Tissue: Human Fetal Heart; Antibody Dilution: 1.0 ug/ml



Host: Rabbit; Target Name: VDAC3; Sample Tissue: 721_B; Antibody Dilution: 1.0 ug/ml VDAC3 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



Rabbit Anti-VDAC3 antibody; Paraffin Embedded Tissue: Human Lung cell; Cellular Data: Epithelial cells of renal tubule; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X