ARG63455
anti-VDAC2 antibody

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes VDAC2
Tested Reactivity	Hu, Ms, Rat, Pig
Predict Reactivity	Cow, Dog
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	VDAC2
Species	Human
Immunogen	C-GHKVGLALELEA
Conjugation	Un-conjugated
Alternate Names	Voltage-dependent anion-selective channel protein 2; hVDAC2; POR; VDAC-2; Outer mitochondrial membrane protein porin 2

Application Instructions

Application table

Application	Dilution
IHC-P	Assay - dependent
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

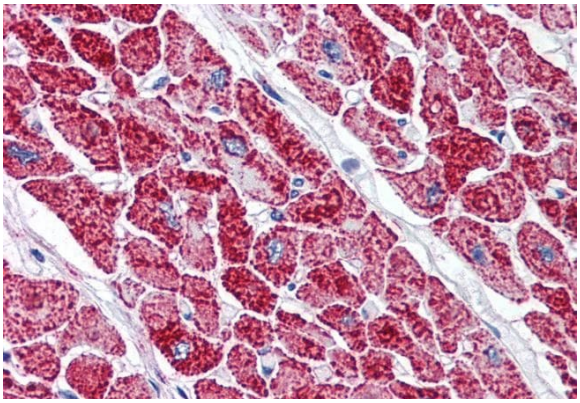
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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

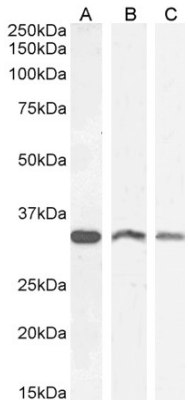
Background	This gene encodes a member of the voltage-dependent anion channel pore-forming family of proteins that are considered the main pathway for metabolite diffusion across the mitochondrial outer membrane. The encoded protein is also thought to be involved in the mitochondrial apoptotic pathway via regulation of BCL2-antagonist/killer 1 protein activity. Pseudogenes have been identified on chromosomes 1, 2, 12 and 21, and alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	32 kDa
PTM	Ubiquitinated by PRKN during mitophagy, leading to its degradation and enhancement of mitophagy. Deubiquitinated by USP30.

Images



ARG63455 anti-VDAC2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63455 anti-VDAC2 antibody at 5 µg/ml dilution followed by AP-staining.



ARG63455 anti-VDAC2 antibody WB image

Western blot: 35 µg of Human (A), Mouse (B) and Rat (C) brain lysates (in RIPA buffer) stained with ARG63455 anti-VDAC2 antibody at 0.3 µg/ml (A) and 1 µg/ml (B, C) dilutions and incubated at RT for 1 hour.