NAC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NAC2, Polyclonal Antibody
Full Product Name	NAC2 Polyclonal Antibody
Product Gene Name	anti-NAC2 antibody
Product Synonym Names	Sodium/calcium exchanger 2; Na(+)/Ca(2+)-exchange protein 2; SLC8A2; KIAA1087; NCX2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	101
OMIM	601901
3D Structure	ModBase 3D Structure for Q9UPR5
Immunogen	Synthesized peptide derived from human protein. at AA range: 380-460
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NAC2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NAC2 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-NAC2 antibody	MBS8530688 is an antibody targeting NAC2. Also known as NAC2 Polyclonal Antibody. Reactive in Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-NAC2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NAC2. It may not necessarily be applicable to this product.

NCBI GI #	57163987
NCBI GeneID	6543
NCBI Accession #	NP_055878.1
UniProt Primary Accession #	Q9UPR5
UniProt Secondary Accession #	B4DYQ9
UniProt Related Accession #	Q9UPR5
GenBank Nucleotide #	NM_015063.2

NCBI Official Full Name	sodium/calcium exchanger 2
NCBI Official Synonym Full Names	solute carrier family 8 member A2
NCBI Official Symbol	SLC8A2
NCBI Official Synonym Symbols	NCX2
UniProt Protein Name	Sodium/calcium exchanger 2
UniProt Synonym Protein Names	Na(+)/Ca(2+)-exchange protein 2; Solute carrier family 8 member 2
Protein Family	PsbD mRNA maturation factor
UniProt Gene Name	SLC8A2
UniProt Synonym Gene Names	KIAA1087; NCX2
NCBI Protein Information	sodium/calcium exchanger 2
UniProt Comments for NAC2	Mediates the electrogenic exchange of Ca2+ against Na+ ions across the cell membrane, and thereby contributes to the regulation of cytoplasmic Ca2+ levels and Ca2+-dependent cellular processes. Contributes to cellular Ca2+ homeostasis in excitable cells. Contributes to the rapid decrease of cytoplasmic Ca2+ levels back to baseline after neuronal activation, and thereby contributes to modulate synaptic plasticity, learning and memory. Plays a role in regulating urinary Ca2+ and Na+ excretion.
Research Articles on NAC2	**1.** Functional studies, as well as mRNA and protein expression analyses, revealed that NCX1 and NCX3, but not NCX2, were divergently modulated during OPC differentiation into oligodendrocyte.
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