

Title (en)

NOVEL ANTIBODIES THAT BIND TO ANTIGENIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING THE ANTIGENS, AND METHOD OF USE

Title (de)

ANTIKÖRPER WELCHE AN ANTIGENE POLYPEPTIDE BINDEN, NUKLEINSÄUREN WELCHE DIE ANTIGENE KODIEREN, UND METHODE ZUR VERWENDUNG

Title (fr)

ANTICORPS SE LIANT AUX POLYPEPTIDES ANTIGENIQUES, ACIDES NUCLEIQUES CODANT LES ANTIGENES, ET METHODE D'UTILISATION

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- US 28365701 P 20010413
- US 28371001 P 20010413
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- US 28423401 P 20010417
- US 28532501 P 20010419
- US 28538101 P 20010420
- US 28606801 P 20010424
- US 28629201 P 20010425
- US 29669201 P 20010607
- US 30088301 P 20010626
- US 31100301 P 20010808
- US 31197301 P 20010813
- US 31290101 P 20010816
- US 32228301 P 20010914
- US 32744801 P 20011005
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Abstract (en)

[origin: CA2442739A1] Disclosed herein are nucleic acid sequences that encode polypeptides. Also disclosed are antibodies, which immunospecifically-bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids, polypeptides, or antibodies, or fragments thereof.

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Citation (search report)

- [XA] WO 0058473 A2 20001005 - CURAGEN CORP [US], et al
- [PX] WO 0183744 A2 20011108 - MERCK PATENT GMBH [DE], et al & KRAEV A ET AL: "The organization of the human gene NCX1 encoding the sodium-calcium exchanger", GENOMICS, ACADEMIC PRESS, SAN DIEGO, US, vol. 37, no. 1, 1996, pages 105 - 112, XP002181613, ISSN: 0888-7543
- [XA] DATABASE EMBL [online] 20 November 1995 (1995-11-20), "Homo sapiens partial SCL8A3 gene for solute carrier family 8 (sodium/calcium exchanger), member 3 (SCL8A3), exon 2", XP002210607, retrieved from EBI accession no. EM_HUM:HSNCX22 Database accession no. HSNCX22
- [XA] DATABASE SWISSPROT [online] 1 October 2000 (2000-10-01), "Sodium/calcium exchanger 2 precursor (Na+/Ca2+-exchange protein 2).", XP002327580, retrieved from EBI Database accession no. Q9UPR5
- [A] IWAMOTO TAKAHIRO ET AL: "Chimeric analysis of Na+/Ca2+ exchangers NCX1 and NCX3 reveals structural domains important for differential sensitivity to external Ni2+ or Li+", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 33, 13 August 1999 (1999-08-13), pages 23094 - 23102, XP002327579, ISSN: 0021-9258
- [A] EGGER M ET AL: "Regulatory function of Na-Ca exchange in the heart: milestones and outlook.", THE JOURNAL OF MEMBRANE BIOLOGY. 15 MAR 1999, vol. 168, no. 2, 15 March 1999 (1999-03-15), pages 107 - 130, XP002327588, ISSN: 0022-2631

- [PX] DATABASE EMBL [online] 6 June 2001 (2001-06-06), "Homo sapiens mRNA for sodium/calcium exchanger, SCL8A3, alternative splice form B (SCL8A3 gene)", XP002222548, retrieved from EBI accession no. EM_PRO:HSA304853 Database accession no. HSA304853
- [PX] DATABASE EMBL [online] 6 June 2001 (2001-06-06), "Homo sapiens mRNA for sodium/calcium exchanger SCL8A3, alternative splice form A (SCL8A3 gene)", XP002327581, retrieved from EBI accession no. EM_PRO:AJ304852 Database accession no. AJ304852

Cited by

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