FabGennix International, Inc.
9191 Kyser Way Bldg. 4 Suite 402
Frisco, TX 75033

Tel: (214)-387-8105, 1-800-786-1236 Fax: (214)-387-8105 Email: info@fabgennix.com Web: www.FabGennix.com

Rabbit Polyclonal Chromosome 1 Open Reading Frame 146 Antibody

Catalog Number: C1Orf146-101AP

Lot Number:

General Product Information

Product	Anti-C1Orf146 Antibody
Description	Rabbit Polyclonal Chromosome 1 Open Reading Frame 146 antibody
Verified Applications	DB, ELISA, IHC, IP, WB
Species Cross Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide taken within amino acid region 100-180 on human C1Orf146 protein.
Alternative Nomenclature	CA146_HUMAN antibody RP11-163M2.3 antibody RP11-163M2.4 antibody Uncharacterized protein C1orf146 antibody
Accession	NP_001012425

Physical Properties

Quantity	100 µg
Volume	200 µl
Form	Affinity Purified
Immunoglobulin & Concentration	0.68-0.70 mg/ml IgG in antibody stabilization buffer
Storage	Store at -20ºC for long term storage.

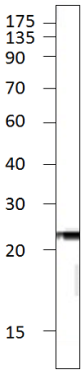
Application Protocol

DOT Blot	1:4,000
ELISA	1:4,000
Immunohistochemistry	1:50-1:100
Immunoprecipitation	1:150
Western Blot	1:500

Related Products

BIOTIN-Conjugated	C1Orf146-BIOTIN
FITC-Conjugated	C1Orf146-FITC
Antigenic Blocking Peptide	P-C1Orf146
Western Blot Positive Control	PC-C1Orf146

Application Verification:



Western Blot of C1Orf146 Antibody (C1Orf146-101AP)
Apparent Molecular weight of C1Orf146 is 22 kDa.

Dilutions are for reference only. Applications not listed above are not necessarily precluded from working with this antibody. Investigators intending to use an application that has not been verified can request a complimentary sample.

Overview:

Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1 (1). Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on Chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1 (2). A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf146 gene product has been provisionally designated C1orf146 pending further characterization (3).

C1Orf146-selective antibodies were generated against a peptide taken from human C1Orf146 protein. The C1Orf146-selective antibodies are affinity purified on an immobilized antigen based affinity matrix, the isolated antibodies were then stabilized in antibody stabilization buffer for long-term storage. The anti-C1Orf146-selective antibodies are fully characterized for applications in western blotting and ELISA at the recommended dilutions. Western blot positive control samples in “ready-to-use” SDS-PAGE sample buffer and antigenic blocking peptide for C1Orf146 are available. All antibodies can be conjugated to fluorophores and other secondary enzymes as an additional service. FabGennix provides custom antibody production services for researchers that are looking for high affinity monoclonal and polyclonal antibodies in various host animal species. For a complete listing of all FabGennix antibodies and services please visit www.Fabgennix.com.

References:

1. Carninci P1, Shibata Y, Hayatsu N, Sugahara Y, Shibata K, Itoh M, Konno H, Okazaki Y, Muramatsu M, Hayashizaki Y. Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes. Genome Res. 2000 Oct;10
2. Gregory SG1, Barlow KF, et al, The DNA sequence and biological annotation of human chromosome 1. Nature. 2006 May 18
3. Gerhard DS, Wagner L, Feingold EA, et al, The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Genome Res. 2004 Oct;14

* For users who may require large amounts of the products listed above, please inquire about bulk material discounts.

01072015--0020SF1001Z-rev10.01