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Customer Service: 1-800 786 1236
Technical Service: 214 387 8105
Fax: 214 387 0870
Info@fabgennix.com
www.fabgennix.com

Antibodies Human FLJ23499 protein

FLJ23499 or Chromosome 11 Open Reading Frame 1 (C11Orf11) Antibodies; Cat # FLJ23499-101AP, FLJ23499-112AP, FLJ23499-121AP.

The National Institutes of Health Mammalian Gene Collection (MGC) Program is a multi-institutional effort to identify and sequence a cDNA clone containing a complete ORF for each human and mouse gene. ESTs were generated from libraries enriched for full-length cDNAs and analyzed to identify candidate full-ORF clones, which then were sequenced to high accuracy. The MGC has currently sequenced and verified the full ORF for a non-redundant set of >9,000 human and >6,000 mouse genes. Candidate full-ORF clones for an additional 7,800 human and 3,500 mouse genes also have been identified. All MGC sequences and clones are available without restriction through public databases and clone distribution networks (see <http://mgc.nci.nih.gov>). the FLJ23499 contains a DUF domain present in many other proteins, the function of this domain is not known.

Certain loci on human chromosome 11q13-q22 are frequently amplified in various types of cancers. One of such loci is PP1R1B-ERBB2-GRB7 which is greatly amplified in gastric and breast cancer. Search of other genes that reside close to this recombination hot spot or "fragile loci" led to discovery of several genes, one of these genes is a new theoretical protein FLJ23499 is localized on chromosome 11 at cytogenetic location of 11q13-q22. The detailed analyses of the amplicon structure in 330 breast tumors samples revealed a 280 kb common region of amplification that contains 10 genes that include 8 known genes. A highly significant association between amplification and expression levels was observed for 6 genes including ERBB2 and 2 uncharacterized hypothetical proteins, MGC9753 and MGC14832 in breast carcinoma and human gastric cancer samples (1, 2). FLJ23499 is located on human chromosome 11q13-q22 and is in the amplicon cluster consist of PPP1R1B-STARD3-TCAP-PNMT-MGC9753-ERBB2-MGC14832-GRB7 with in the 120 kb region locus on human chromosome 17q12. The FLJ23499 protein is a soluble protein with no evidence of any TMD. The human FLJ23499 protein is a 150 amino acid protein.

The FLJ23499-selective (C11Orf1) antibodies were generated in rabbits against synthetic N, mid-region and C-terminal peptides that are unique to FLJ23499 protein. The anti-FLJ-23499 antibodies were affinity purified on respective immobilized antigen affinity matrices and purified antibodies were stabilized for long-term storage. Limited quantities of antigenic blocking peptides for multiple FLJ23499 antibodies are also available. FabGennix will conjugate FLJH23499 antibodies to fluorophores, secondary enzymes or biotin at a nominal cost. Some of these conjugates are already made are in stock.

Catalog #	Host	Description	Antigen/Positive control	Reactivity	Price/vol
FLJ-101AP	Rabbit	Affinity purified FLJ23499N-terminal epitope	Near N-terminal peptide	H*	\$235/200ul
FLJ-112AP	Rabbit	Affinity purified FLJ23499 mid-region epitope	Mid-region peptide	H*	\$235/200ul
FLJ-121AP	Rabbit	Affinity purified FLJ23499 C-terminal epitope	Near C-terminal peptide	H*	\$235/200ul
P-FLJ100	Rabbit	Antigenic blocking peptide for FLJ-101AP	Near N-terminal peptide	H*	\$235
P-FLJ112	n/a	Antigenic blocking peptide for FLJ-112AP	Mid-region peptide	250 ug	\$115
P-FLJ-121	n/a	Antigenic blocking peptide for FLJ-121AP	C-terminal peptide	250 ug	\$115

R = rat; M = mouse; H = humans; R = rabbit * Actual volume is 150-200 µl; WB, Western Blot analyses; IMM, Immunoprecipitation; IHC, Immunohistochemistry, n.d, not determine; * cross reactivity to other species have not been determined.

Immunogen: Antigenic peptides used to generate anti-FLJ23499 antibodies were: FLJ-101AP: LTNP HCGSLVNADGHGEVWT; FLJ-112AP: GNWNQERYDLRNIVQPKPL(C); FLJ-121AP: REPHWFPGHQPELDPPTYKC

Concentration: All affinity purified antibodies are 0.65-0.67mg/ml in antibody stabilization buffer.

Applications: ELISA: Antibody dilution 1:15,000-20,000 for ELISA or DOT blot assay. W.B: n.d. IMM: n.d; IHC n.d.

Protocols: Standard protocol for various applications (Western blot; immunoprecipitation and immunohistochemistry) of this antibody is provided with the product specification sheet, however, FabGennix Inc. recommends investigators to optimize conditions.

Form/Storage: The antiserum is supplied in antibody stabilization buffer. For long-term storage of antibody, store at -20°C FabGennix Inc. does not recommend storage of very dilute antibody solutions unless they are prepared in specially formulated multi use antibody dilution buffer (Cat # DiluOBuffer). Working solutions of antibodies in DiluOBuffer should be filtered through 0.45µm filter after every use for long-term storage.

Notes: Briefly centrifuge to collect liquid before opening the vial, heat the PC-TMEM16A tube in 90°C water bath for 1-2 minutes to dissolve any precipitate before use. This product is "ready-to-use" for electrophoresis. After thawing store at room temperature, Repeated freezing and thawing may result in appearance of higher molecular weight immunoreactive bands.

Now you can recycle your western blots (nitrocellulose, supported membranes and PVDF membranes) by using our StripOBuffer (Cat FGI-1989). Each stripping is guaranteed to give better signal (up to 8 stripping). No strong pungent smell of reducing agents or heating is required.

References:

1. Kauraniemi P, Kuukasjarvi T, Sauter G, Kallioniemi A. Am J Pathol. 2003 Nov;163(5):1979-84.
2. Katoh M, Katoh M. Int J Oncol. 2003 Sep;23(3):831-5.
3. Katoh M, Katoh M. Int J Oncol. 2003 Jun;22(6):1369-74.

Note: Briefly centrifuge antibodies to collect liquid at the bottom. Aliquot in working volumes before long-term storing at -20°C. Repeated freeze/thaw may result in appearance of higher molecular weight immunoreactive bands.

* For users who may require large amounts of FLJ-101AP; FLJ-112AP and FLJ-121AP, please enquire about bulk material discounts.

This Product is for Research Use Only and is NOT intended for use in humans or clinical diagnosis.

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5850 Town and Country Blvd. Suite 301. Frisco, TX 75034

Customer service: 1800 786 1236; Technical Support: 214 387 8105