Monoclonal Anti-human Frk Antibody

ORDERING INFORMATION

Catalog Number: MAB3766

Clone: 393812

Lot Number: YNF01

Size: 100 μg

Formulation: 0.2 μm filtered solution in PBS with 5% trehalose

Storage: -20° C

Specificity: human Frk

Immunogen: *E. coli*-derived rhFrk (aa 1 - 107)

Ig class: rat IgG_1

Recommended Application: Immunohistochemistry

Background

Fyn-related kinase (Frk) is a tyrosine kinase of the Src family. Also known as Rak, Gtk, and Iyk, Frk is predominantly expressed in epithelial tissues. Frk protein is 49% and 47% identical to Fyn and Csk, respectively. Src family kinases regulate an array of cellular processes, including growth factor signaling, cytoskeleton dynamics, and cell proliferation.

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a rat immunized with purified, *E. coli*-derived recombinant human Frk (rhFrk; aa 1 - 107; accession # P42685). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

Formulation

Lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 0.2 mL of PBS is used, the antibody concentration will be 500 μg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody was selected for its ability to detect human Frk in direct ELISAs and immunohistochemistry experiments. Reactivity with Frk from other species has not been determined.

Application

Immunohistochemistry - This antibody was used at a concentration of 15 μg/mL with basic anigen retrieval: and the appropriate secondary reagents to detect Frk in cryostat sections from a human breast carcinoma. For chromogenic detection of labeling, the use of R&D Systems' Cell and Tissue Staining Kits (CTS Series) is recommended.

Optimal dilutions should be determined by each laboratory for each application.

For immunohistochemistry images, please refer to our website at http://www.rndsystems.com/ihc.

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