

## CENPF antibody [7F11.2]

## Cat. No. GTx77645

|              |             |
|--------------|-------------|
| Host         | Mouse       |
| Clonality    | Monoclonal  |
| Isotype      | IgG2a       |
| Applications | ICC/IF, IHC |
| Reactivity   | Human       |

References ( 1 )

Package

100 µl

## Applications

## Application Note

For IHC: Use at a concentration of 10 g/mL. Briefly, 4-m tissue sections were cut from the same blocks of hematoxylin and eosin-stained slides, mounted on charged slides, deparaffinized in xylene, and rehydrated in descending grades of ethyl alcohol (from 100% to 70%). The slides used for mitosis staining were then subjected to heat-induced antigen retrieval by immersion in a 0.01 mol/L citrate buffer, pH 6.0; preheated to > 90 °C and heated in an electric vegetable steamer (Black and Decker, Shelton, CT) for 54 minutes. The endogenous peroxidase activity was blocked by a 5-minute treatment with 3% hydrogen peroxide in absolute methanol. Immunohistochemical analysis was then performed using the avidin-biotin technique (LSAB2 peroxidase kit; DAKO, Carpinteria, CA). The antigen-antibody immunoreaction was visualized using 3,3-diaminobenzidine as the chromogen, and the slides were counterstained with Mayer hematoxylin. For ICC/IF: Use at a dilution of 1:500. Optimal dilutions/concentrations should be determined by the researcher.

## Properties

|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | PBS  |
| Preservative  | No preservatives   |
| Storage       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |
| Immunogen     | Protein fragment expressed in E. coli corresponding to amino acids 1759-2093.  |
| Purification  | Protein G purified   |
| Conjugation   | Unconjugated   |
| Note          | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  |
|               | Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.  |



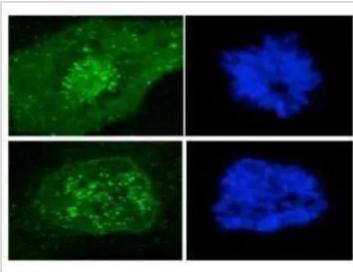
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## DATA IMAGES

**GTx77645 IHC Image**

High magnification photomicrograph of an NG3 tumor with a high percentage of mitosin-positive nuclei, indicative of high proliferative activity.

**GTx77645 ICC/IF Image**

Immunofluorescent staining of mitotic U2OS cells with mitosin/CENP-F antibody GTx77645 (green) at 1:500 dilution. Cells were pre-extracted with ice-cold CSK buffer (0.5% Triton X-100, 300 mM Sucrose, 10 mM PIPES, pH8.0) for 4 min, followed by fixation with 4% PFA and regular IFA procedure. Blue channel (DAPI staining) shows chromosomes.



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