

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 µg/mL. Briefly, 4-µm 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

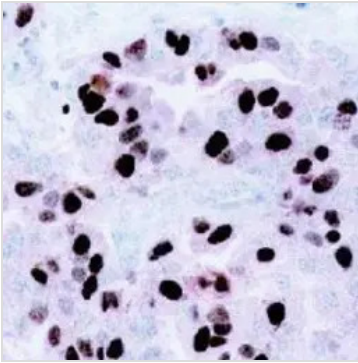
For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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.



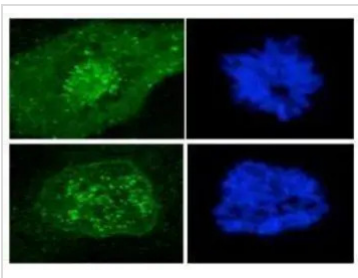
For full product information, images and publications, please visit our [website](#).

DATA IMAGES



GTx77645 IHC Image

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



GTx77645 ICC/IF Image

Immunofluorescent staining of mitotic U2OS cells with mitosis/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.



For full product information, images and publications, please visit our [website](#).