For Research Use Only

CoraLite®594-conjugated NEK2 Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL594-66632

Basic Information

Catalog Number:
CL594-66632

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG21476

GenBank Accession Number:
BC043502

GeneID (NCBI):
4751

UNIPROT ID:
P51955

Full Name:
NIMA (never in mitosis gene a)-related kinase 2

Calculated MW:
52 kDa

Observed MW:
48 kDa

Purification Method:
Protein G purification

CloneNo.:
3D7B4

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

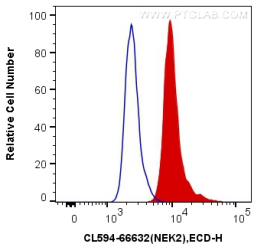
NEK2, also named as HSPK 21, belongs to the NEK family. NEK2 is well recognized as a multifunctional protein with roles in cell cycle regulation, such as centrosome duplication and separation, microtubule stabilization, kinetochore attachment and spindle assembly checkpoint. NEK2 is highly expressed in several cancer types, such as cholangiocarcinoma, breast, colorectal, and pancreatic cancer. NEK2 in mammals has three splice variants: NEK2A, NEK2B, and NEK2C. NEK2A is evenly distributed within the nuclei and cytoplasm, while NEK2B is mainly distributed in the cytoplasm, and NEK2C is mainly distributed in the nuclear region. As NEK2A, NEK2B and NEK2C exhibit overlapping or identical substrate usage, these variants are collectively referred to here as NEK2 (PMID:31092416).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human NEK2 (CL594-66632, Clone:3D7B4) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL594-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).