

# Anti-C-NAP1/CEP250 [6F2C8]

**Catalogue number:** 153171

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Ciaran Morrison

**Institute:** National University of Ireland, Galway ; Centre For Chromosome Biology

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-C-NAP1/CEP250 [6F2C8]

**Alternate name:** Centrosome-associated protein CEP25; Centrosomal Protein 25; Centrosomal Protein 25kDa; Centrosomal Nek2-Associated Protein 1; 25 KDa Centrosomal Protein; Centrosomal Protein 2; C-NAP1; CNAP1

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Centrosomal Protein 250 (CEP250), also known as Centrosomal Nek2-Associated Protein 1 (C-NAP1), is a core centrosomal protein required for centriole-centriole cohesion during interphase of the cell cycle. CEP250 dissociates from the centrosomes when parental centrioles separate at the beginning of mitosis. The protein associates with and is phosphorylated by NIMA-related kinase 2, which is also associated with the centrosome.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** Recombinant human C-NAP1 amino acids 1513-1750 (bacterially expressed from pGEX4T as a GST fusion, then thrombin-cleaved and purified).

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** Immunofluorescence and Western Blot: Jurkat cells, hTERT-RPE1 cells, Immunofluorescence only: PC3 cells, DU145 cells, PWR1E cells, Peripheral Blood Mononuclear Cells (PBMCs)

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Centrosomal Nek2-Associated Protein 1

**Target alternate names:**

**Target background:** Centrosomal Protein 250 (CEP250), also known as Centrosomal Nek2-Associated Protein 1 (C-NAP1), is a core centrosomal protein required for centriole-centriole cohesion during interphase of the cell cycle. CEP250 dissociates from the centrosomes when parental centrioles separate at the beginning of mitosis. The protein associates with and is phosphorylated by NIMA-related kinase 2, which is also associated with the centrosome.

**Molecular weight:** 250

**Ic50:**

## Applications

**Application:** IHC ; WB ; IHC ; IP ; WB

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** DMEM + 10% FBS + hypoxanthine supplement + non-essential amino acids

**Storage conditions:** -20° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Sewell et al. 2006. J Biol Chem. 281(6):3586-94. PMID: 16319059. ; The ST6GalNAc-I sialyltransferase localizes throughout the Golgi and is responsible for the synthesis of the tumor-associated sialyl-Tn O-glycan in human breast cancer.

CancerTools.org