
CEP164 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254042

Unit: 0.1 mg

Description:

CEP164 was initially identified as a centrosomal protein, but other studies have indicated that it also plays a role in the formation of primary cilia, the microtubule-based sensory antennae projecting from the surface of many eukaryotic cells as well as in DNA damage response acting as a mediator protein. CEP164 interacts with both ATR and ATM, proteins that trigger a number of cellular responses including the initiation of DNA damaged-induced cell cycle checkpoints. It is phosphorylated upon replication stress, ultraviolet (UV) radiation, and ionizing radiation; silencing of CEP164 significantly reduces the DNA damage-induced phosphorylation of several proteins in the DNA damage-activated signaling cascade and compromises cell survival after UV damage. At least two isoforms of CEP164 are known to exist.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: CEP164; Centrosomal protein 164

Accession No.: NP_055771

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human CEP164.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.