## CEP57 Polyclonal Antibody

Cat \#: G-AB-06322

| Host: Rabbit | Reactivity: Human, Mouse, Rat |
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| Isotype: IgG | Clonality: Polyclonal |

## Overview:

This gene encodes a cytoplasmic protein called Translokin. This protein localizes to the centrosome and has a function in microtubular stabilization. The N -terminal half of this protein is required for its centrosome localization and for its multimerization, and the C-terminal half is required for nucleating, bundling and anchoring microtubules to the centrosomes. This protein specifically interacts with fibroblast growth factor 2 (FGF2), sorting nexin 6, Ran-binding protein M and the kinesins KIF3A and KIF3B, and thus mediates the nuclear translocation and mitogenic activity of the FGF2. It also interacts with cyclin D1 and controls nucleocytoplasmic distribution of the cyclin D1 in quiescent cells. This protein is crucial for maintaining correct chromosomal number during cell division. Mutations in this gene cause mosaic variegated aneuploidy syndrome, a rare autosomal recessive disorder. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Gene ID:<br>Accession \#: BC039711<br>Immunogen: Full length fusion protein<br>Conjugation: Unconjugated<br>Swissprot: Q86XR8<br>Calculated Molecular Weight: 57 kDa<br>Observed Molecular Weight: Refer to figures<br>Concentration: $0.4 \mathrm{mg} / \mathrm{mL}$<br>Buffer: PBS with 0.05\% NaN3 and 40\% Glycerol, pH7.4<br>Purification Method: Antigen affinity purification<br>Application: WB,IHC,ELISA

Dilution: WB 1:500-1:2000, IHC 1:25-1:100, ELISA 1:5000-1:10000

Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

