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Datasheet for ABIN1698430

anti-CEP57 antibody (AA 51-150) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	CEP57
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEP57 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CEP57
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CEP57
Alternative Name:	CEP57 (CEP57 Products)
Background:	Synonyms: Centrosomal protein 57 kDa, Centrosomal protein of 57 kDa, Cep57, Cep57 protein,

Target Details

CEP57_HUMAN, FGF2 interacting protein, FGF2-interacting protein, KIAA0092, MVA2, PIG8, proliferation inducing protein 8, Testis specic protein 57, Testis-specific protein 57, Translokin, TSP57.

Background: CEP57 (centrosomal protein 57 kDa), also known as PIG8, TSP57 or Translokin, is a 500 amino acid protein that localizes to both the nucleus and the cytoplasm, specifically associating with microtubules at the centrosome. Expressed ubiquitously, CEP57 exists as a homodimer that functions to mediate the mitogenic activity and nuclear translocation of FGF-2, an internalized growth factor, thereby regulating FGF-2 signaling pathways. Additionally, CEP57 is thought to play a role in spermatogenesis, possibly via the indirect regulation of gene expression. Human CEP57 shares 88 % sequence identity with its mouse and bovine orthologs, suggesting a highly conserved role between species. Multiple isoforms of CEP57 exist due to alternative splicing events.

Pathways: [M Phase](#), [Maintenance of Protein Location](#), [Protein targeting to Nucleus](#), [Growth Factor Binding](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months