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CEP57 Rabbit pAb

Catalog # AP99620

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q86XR8
Other Accession	Q86XR8
Predicted	Rat, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57089
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CEP57
Epitope Specificity	51-150/500
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the translokin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CEP57 (centrosomal protein 57kDa), 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.

Additional Information

Gene ID	9702
Other Names	MVA2; PIG8; TSP57; 3110002L15Rik; 4921510P06Rik; 4931428M20Rik; mKIAA0092; RGD1309884; CEP57_BOVIN; CEP57; Testis-specific protein 57; Translokin; CEP57_HUMAN; FGF2-interacting protein; KIAA0092; CEP57_MOUSE; CEP57_RAT; centrosomal protein 57; centrosomal protein 57kDa
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CEP57
Synonyms	KIAA0092, TSP57
Function	Centrosomal protein which may be required for microtubule attachment to centrosomes. May act by forming ring-like structures around microtubules. Mediates nuclear translocation and mitogenic activity of the internalized growth factor FGF2, but that of FGF1.
Cellular Location	Nucleus. Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Tissue Location	Ubiquitous..

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.