



Rabbit Anti-CEP57 antibody

SL13608R

Product Name:	CEP57
Chinese Name:	睾丸特异性蛋白57抗体
Alias:	Centrosomal protein 57kDa; Centrosomal protein of 57 kDa; Cep57; Cep57 protein; CEP57_HUMAN; FGF2 interacting protein; FGF2-interacting protein; KIAA0092; MVA2; PIG8; Proliferation inducing protein 8; Testis specific protein 57; Testis-specific protein 57; Translokin; TSP57.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	57kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CEP57:51-150/500
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subcellular Location:

Nucleus. Cytoplasm.

Tissue Specificity:

Ubiquitous.

Similarity:

Belongs to the translokin family.

SWISS:

Q86XR8

Gene ID:

9702

Database links:

[Entrez Gene: 9702](#) Human

[Entrez Gene: 353245](#) Cow

[Entrez Gene: 74360](#) Mouse

[Entrez Gene: 315423](#) Rat

[Omim: 607951](#) Human

[SwissProt: Q865V0](#) Cow

[SwissProt: Q86XR8](#) Human

[SwissProt: Q8CEE0](#) Mouse

[SwissProt: B4F7A7](#) Rat

[Unigene: 101014](#) Human

[Unigene: 157212](#) Mouse

[Unigene: 94972](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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