



Rabbit Anti-CEP95 antibody

SL13865R

Product Name:	CEP95
Chinese Name:	中心体蛋白95抗体
Alias:	CCDC45; Centrosomal protein 95kDa; Centrosomal protein of 95 kDa; Cep95; CEP95_HUMAN; Coiled coil domain containing 45; Coiled-coil domain-containing protein 45.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=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:	95kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CEP95:751-821/821
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:	The coiled-coil domain is a structural motif found in proteins that are involved in a diverse array of biological functions such as the regulation of gene expression, cell division, membrane fusion and drug extrusion and delivery. CCDC45 (coiled-coil domain containing 45) is a 821 amino acid protein encoded by a gene that maps to human chromosome 17q23.3. Chromosome 17 comprises over 2.5% of the human

genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Subcellular Location:

Cytoplasm; cytoskeleton; centrosome. Cytoplasm ; cytoskeleton; spindle pole.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

SWISS:

Q96GE4

Gene ID:

90799

Database links:

[Entrez Gene: 90799](#) Human

[Entrez Gene: 320162](#) Mouse

[Entrez Gene: 287766](#) Rat

[SwissProt: Q96GE4](#) Human

[SwissProt: Q8BVV7](#) Mouse

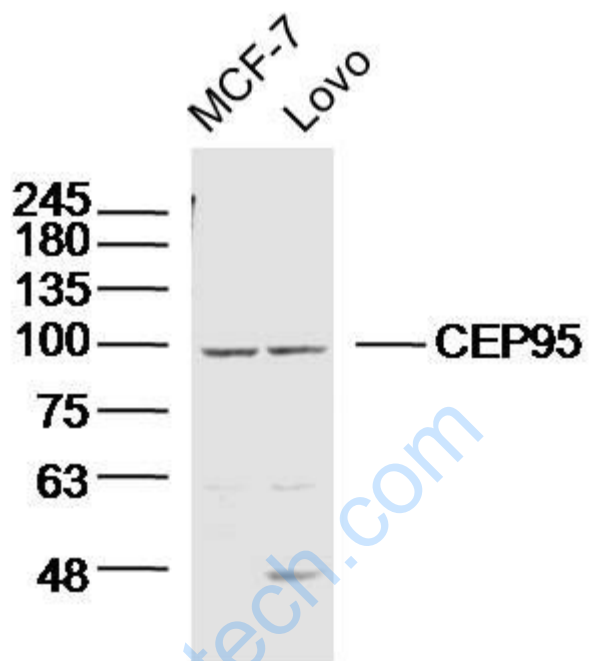
[SwissProt: Q5XI03](#) Rat

[Unigene: 569713](#) Human

Important Note:

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

Picture:



Sample:

MCF-7 (Human) Cell Lysate at 40 ug

Lovo (Human) Cell Lysate at 40 ug

Primary: Anti-CEP95(SL13865R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 95kD

Observed band size: 95kD