SunLong Biotech Co.,LTD
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Rabbit Anti-CEP104 antibody

SL12005R

Product Name	CEP104
Chinese Name	甘氨酸 Binding protein 抗体
Alias	CE104_HUMAN; Centrosomal protein of 104 kDa; Cep104; GlyBP; Glycine Binding Protein; glycine-, glutamate- and thienylcyclohexylpiperidine-binding protein; KIAA0562; LOC246295.
Research Area	Tumour Cell biology Neurobiology Signal transduction G protein-coupled receptor G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Cow,Horse,Sheep)
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	45/104kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human CEP104/KIAA0562: 451-550/925
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Human,Mouse(predicted:Rat,Dog,Cow,Horse,Sheep)1M TBS(pH7.4) with 1% BSA, Human,Mouse(predicted:Rat,Dog,Cow,Horse,Sheep)3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Product Detail

Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The KIAA0562 gene product has been provisionally designated KIAA0562 pending further characterization.

Subcellular Location:
Cytoplasm, cytoskeleton, centrosome, centriole.

Similarity:
Contains 2 HEAT repeats.

SWISS:
O60308

Gene ID:
9731

Database links:

Entrez Gene: 9731 Human

Entrez Gene: 230967 Mouse

SwissProt: O60308 Human

SwissProt: Q80V31 Mouse

Unigene: 133089 Human

Unigene: 509017 Human

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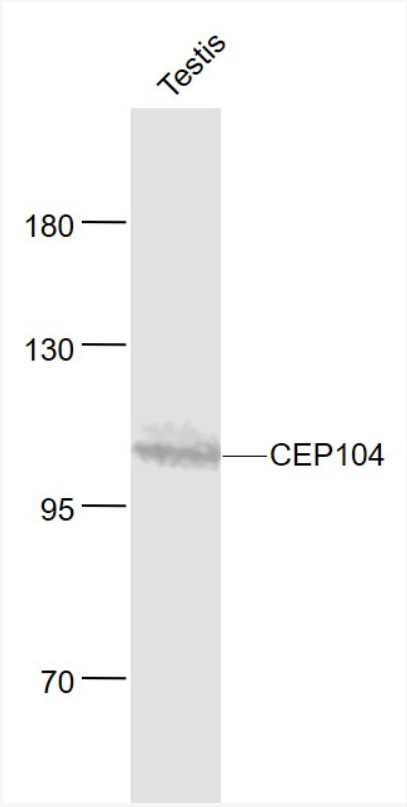
Unigene: 297905 Mouse

Product Picture



Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti- CEP104 (SL12005R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 45’104 kD

Observed band size: 104 kD