



Rabbit Anti-C6ORF173 antibody

SL15230R

Product Name:	C6ORF173
Chinese Name:	6号染色体开放阅读框173抗体
Alias:	cancer upregulated gene 2; Cancer-up-regulated gene 2 protein; CENP-W; cenpw; CENPW_HUMAN; Centromere protein W; chromosome 6 open reading frame 173; CUG2; hypothetical protein LOC387103.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
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:	10kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human C6ORF173:31-88/88
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:	Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation (By similarity). The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres (By similarity). Part of a nucleosome-

associated complex that binds specifically to histone H3-containing nucleosomes at the centromere, as opposed to nucleosomes containing CENPA. Component of the heterotetrameric CENP-T-W-S-X complex that binds and supercoils DNA, and plays an important role in kinetochore assembly. CENPW has a fundamental role in kinetochore assembly and function. It is one of the inner kinetochore proteins, with most further proteins binding downstream. Required for normal chromosome organization and normal progress through mitosis.

Subunit:

Part of a centromere complex consisting of CENPA, CENPT and CENPW. Part of a centromere complex consisting of histone H3, CENPT and CENPW. Interacts directly with CENPT. Component of a heterotetrameric CENP-T-W-S-X complex composed of APITD1/CENPS, STRA13/CENPX, CENPT and CENPW. Interacts with NPM1. Binds DNA.

Subcellular Location:

Nucleus. Chromosome, centromere. Chromosome, centromere, kinetochore. Nucleus matrix. Nucleus, nucleolus. Note=Constitutively localizes to centromeres throughout the cell cycle, and to the inner kinetochore during mitosis.

Tissue Specificity:

Highly expressed in ovary, liver, lung and pancreas and to a lower extent in breast and gastrointestinal tract cancers; such as those of the colon, rectum and stomach. Overexpressed in high grade breast invasive tumors. Expressed in many cancer cell types.

Similarity:

Belongs to the CENPW family.

SWISS:

Q5EE01

Gene ID:

387103

Database links:

[Entrez Gene: 387103](#) Human

[Omim: 611264](#) Human

[SwissProt: Q5EE01](#) Human

[Unigene: 486401](#) Human

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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