

**C6ORF173 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55883**

### Specification

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#### C6ORF173 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q5EE01</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10061

#### C6ORF173 Polyclonal Antibody - Additional Information

**Gene ID** 387103

#### Other Names

Centromere protein W, CENP-W, Cancer-up-regulated gene 2 protein, CENPW, C6orf173, CUG2

#### Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### 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.

#### C6ORF173 Polyclonal Antibody - Protein Information

**Name** CENPW

**Synonyms** C6orf173, CUG2

#### Function

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.

#### Cellular 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. {ECO:0000250|UniProtKB:P0DJH6}

**Tissue Location**

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

**C6ORF173 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**C6ORF173 Polyclonal Antibody - Images**