

## BRCC3

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 36kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human BRCC3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

C6.1A; BRCC36; CXorf53;

**Catalog #:** A7995

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 79184

**Isotype:** IgG

**Swiss Prot:** P46736

**Purity:** Affinity purification

For research use only.

**Background:**

This gene encodes a subunit of the BRCA1-BRCA2-containing complex (BRCC), which is an E3 ubiquitin ligase. This complex plays a role in the DNA damage response, where it is responsible for the stable accumulation of BRCA1 at DNA break sites. The component encoded by this gene can specifically cleave Lys 63-linked polyubiquitin chains, and it regulates the abundance of these polyubiquitin chains in chromatin. The loss of this gene results in abnormal angiogenesis and is associated with syndromic moyamoya, a cerebrovascular angiopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 5.

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