

BRCC3

Reactivity: Human Mouse Rat Monkey

Tested applications: WB IHC IP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:20 - 1:200 IP 1:20 - 1:50

Calculated MW: 36kDa

Observed MW: Refer to figures

Immunogen:

A synthetic Peptide of human BRCC3

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

C6.1A; BRCC36; CXorf53;

Catalog #: A4965

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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