

For Research Use Only

# BCCIP Polyclonal antibody

Catalog Number: 16043-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

16043-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8934

### GenBank Accession Number:

BC009771

### GeneID (NCBI):

56647

### UNIPROT ID:

Q9P287

### Full Name:

BRCA2 and CDKN1A interacting protein

### Calculated MW:

314 aa, 36 kDa

### Observed MW:

50-58 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:400-1:1600

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : HeLa cells, A549 cells

IP : HeLa cells,

IF/ICC : HeLa cells,

## Background Information

BCCIP (or TOK1) is isolated as a BRCA2- and CDKN1A (p21)-interacting protein and is implicated in homologous recombination (HR) pathway and inhibition of DNA replication stress. BCCIP is an evolutionarily conserved nuclear protein with multiple interacting domains. BCCIP deficiency in mice impaired embryonic and postnatal neural development, causing severe ataxia, cerebral and cerebellar defects, and microcephaly, which are associated with spontaneous DNA damage and subsequent cell death in the proliferative cell populations of the neural system during embryogenesis. BCCIP is essential for maintaining the transactivation activity of wild type p53 suggesting a potential role of BCCIP in cancer etiology.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi Sui	29932276	FEBS J	WB,IF
Fang Wang	32736693	Biochem Biophys Res Commun	WB
Jiaming Su	27535137	Protein Cell	WB,IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

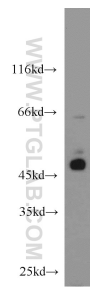
For technical support and original validation data for this product please contact:

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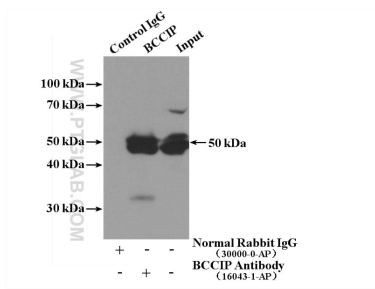
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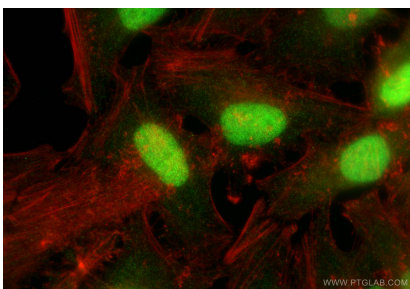
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 16043-1-AP (BCCIP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-BCCIP (IP:16043-1-AP, 4ug; Detection:16043-1-AP 1:800) with HeLa cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using BCCIP antibody (16043-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).