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Datasheet for ABIN1724776

## anti-C17orf53 antibody (AA 282-527)

5 Images

1 Publication

### Overview

Quantity:	0.1 mg
Target:	C17orf53 (C17ORF53)
Binding Specificity:	AA 282-527
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C17orf53 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

### Product Details

Immunogen:	Purified recombinant fragment of human C17ORF53 (AA: 282-527) expressed in E. coli.
Clone:	7A3A9
Isotype:	IgG2b
Purification:	purified

### Target Details

Target:	C17orf53 (C17ORF53)
Alternative Name:	C17ORF53 ( <a href="#">C17ORF53 Products</a> )
Background:	C17orf53 (chromosome 17 open reading frame 53) is a 647 amino acid protein that is encoded by a gene mapping to human chromosome 17. Chromosome 17 makes up over 2.5 % of the

## Target Details

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human genome with about 81 million bases encoding over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes. Chromosome 17 is also linked to neurofibromatosis, a condition characterized by neural and epidermal lesions, and dysregulated Schwann cell growth. Alexander disease, Birt-Hogg-Dube syndrome and Canavan disease are also associated with chromosome 17. . . .

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Molecular Weight: 69.8 kDa

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Gene ID: 78995

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HGNC: 78995

## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:50, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

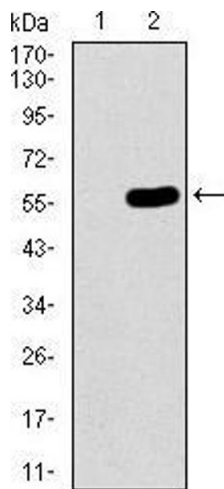
## Publications

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Product cited in: Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) ([PubMed](#)).

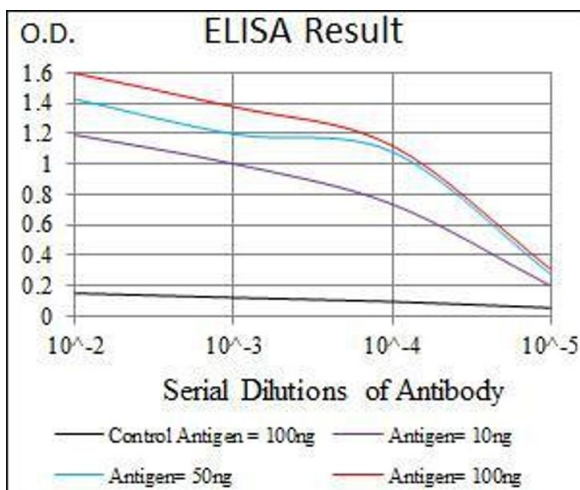
Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular carcinogenesis**, Vol. 50, Issue 9, pp. 689-96, (2011) ([PubMed](#)).

Images



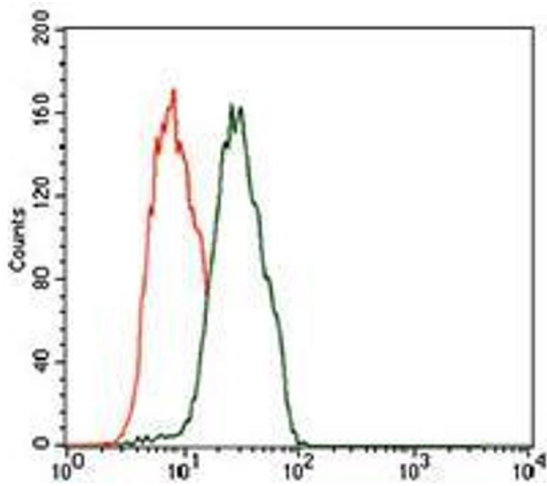
**Western Blotting**

**Image 1.** Western blot analysis using C17ORF53 mAb against HEK293 (1) and C17ORF53 (AA: 282-527)-hlgGFc transfected HEK293 (2) cell lysate.



**ELISA**

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Flow Cytometry

**Image 3.** Flow cytometric analysis of Jurkat cells using C17ORF53 mouse mAb (green) and negative control (red).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1724776.