

Datasheet for ABIN1724779
anti-C17orf53 antibody (AA 282-527)



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3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	C17orf53 (C17ORF53)
Binding Specificity:	AA 282-527
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C17orf53 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	C17ORF53 Antibody
Immunogen:	Purified recombinant fragment of human C17ORF53 (AA:282-527) expressed in E. Coli.
Clone:	3E10H2
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	C17orf53 (C17ORF53)
Alternative Name:	C17ORF53 (C17ORF53 Products)
Background:	C17orf53 (chromosome 17 open reading frame 53) is a 647 amino acid protein that is encoded

Target Details

by a gene mapping to human chromosome 17. Chromosome 17 makes up over 2.5 % of the 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.

Molecular Weight:	69.8kDa
Gene ID:	78995
HGNC:	78995
UniProt:	Q8N3J3

Application Details

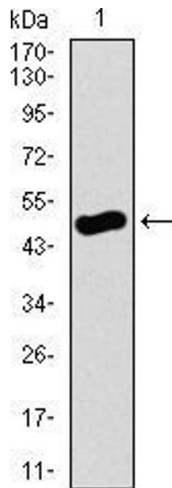
Application Notes:	ELISA: 1/10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

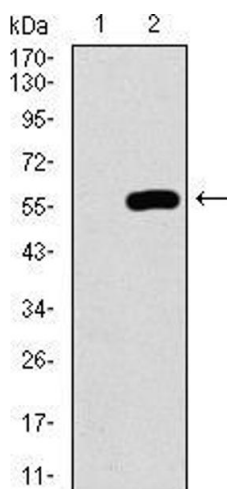
Product cited in: Styrkarsdottir, Halldorsson, Gretarsdottir, Gudbjartsson, Walters, Ingvarsson, Jonsdottir, Saemundsdottir, Snorradóttir, Center, Nguyen, Alexandersen, Gulcher, Eisman, Christiansen, Sigurdsson, Kong et al.: "New sequence variants associated with bone mineral density. ..." in: **Nature genetics**, Vol. 41, Issue 1, pp. 15-7, (2008) ([PubMed](#)).

Images



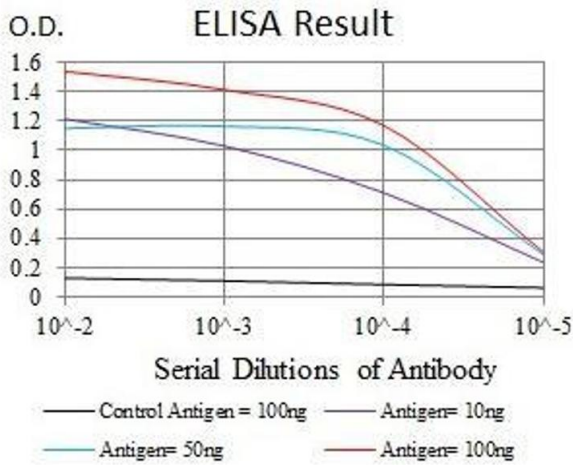
Western Blotting

Image 1. Western blot analysis using C17ORF53 mAb against human C17ORF53 recombinant protein. (Expected MW is 51.9 kDa)



Western Blotting

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



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),