

## C17ORF53 Antibody

Catalog No: #48447

Package Size: #48447-1 50ul #48447-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

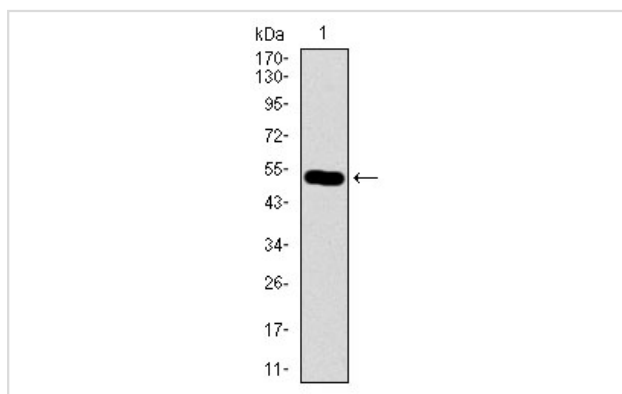
## Description

Product Name	C17ORF53 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	A9-A3
Purification	ProA affinity purified
Applications	WB, ICC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	C17orf53 antibody Chromosome 17 open reading frame 53 antibody CQ053_HUMAN antibody FLJ11594 antibody Hypothetical protein LOC78995 antibody MGC3130 antibody Uncharacterized protein C17orf53 antibody
Accession No.	Swiss-Prot#:Q8N3J3
Uniprot	Q8N3J3
GeneID	78995;
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

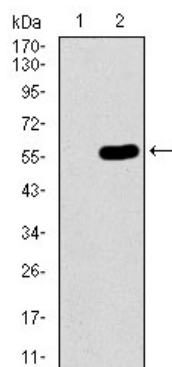
## Application Details

WB: 1:500-1:1,000 ICC: 1:50-1:200FC: 1:100-1:200

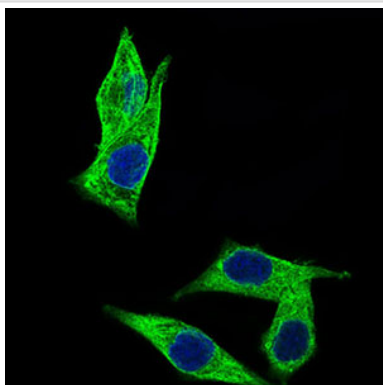
## Images



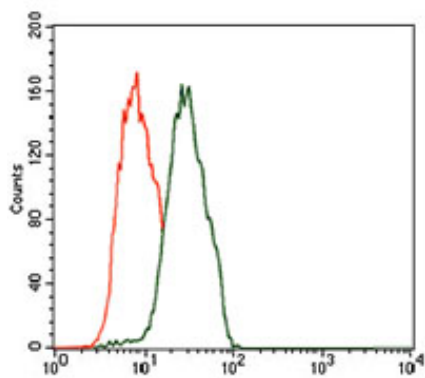
Western blot analysis of C17ORF53 on human C17ORF53 recombinant protein using anti-C17ORF53 antibody at 1/1,000 dilution.



Western blot analysis of C17ORF53 on HEK293 (1) and C17ORF53-hlgGfc transfected HEK293 (2) cell lysate using anti-C17ORF53 antibody at 1/1,000 dilution.



ICC staining C17ORF53 (green) in HepG2 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with C17ORF53 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

## 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 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.

## References

Note: This product is for in vitro research use only