

# C16orf75 Polyclonal antibody

Catalog Number: 30529-1-AP

## Basic Information

**Catalog Number:**

30529-1-AP

**Size:**

400 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG32880

**GenBank Accession Number:**

BC031016

**GeneID (NCBI):**

116028

**UNIPROT ID:**

Q96E14

**Full Name:**

chromosome 16 open reading frame

75

**Observed MW:**

19 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : HT-1080 cells, HeLa cells, MCF-7 cells, U-251 cells

IF/ICC : U-251 cells,

## Background Information

C16orf75 is also named as BLM-associated protein of 18 kDa (BLAP18), RMI2, hRMI2 and RecQ-mediated genome instability protein 2. C16orf75 is essential component of the RMI complex, a complex that plays an important role in the processing of homologous recombination intermediates. It is required to regulate sister chromatid segregation and to limit DNA crossover. And RMI2 is essential for the stability, localization, and function of BLM, TOP3A, and complexes containing BLM. In the RMI complex, it is required to target BLM to chromatin and stress-induced nuclear foci and mitotic phosphorylation of BLM (PMID: 18923082, PMID: 18923083, PMID: 27977684).

## Storage

**Storage:**

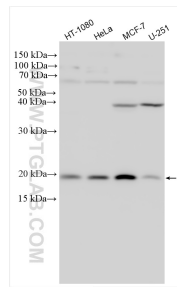
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

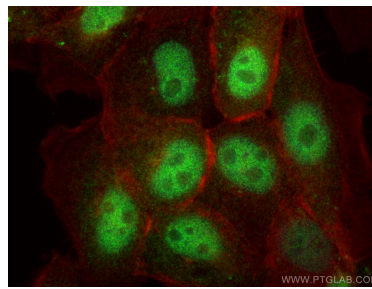
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30529-1-AP (C16orf75 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using C16orf75 antibody (30529-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).