

## Polyclonal Antibody to C1orf91 (Center) - Aff - Purified

**Alternate names:** UPF0546 membrane protein

**Catalog No.:** AP50560PU-N

**Quantity:** 0.1 mg

**Concentration:** 0.25 mg/ml

**Background:** Chromosome 1 is the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1. A breakpoint has been identified in 1q which disrupts the DISC1 gene and is linked to schizophrenia. Aberrations in chromosome 1 are found in a variety of cancers including head and neck cancer, malignant melanoma and multiple myeloma. The C1orf91 gene product has been provisionally designated C1orf91 pending further characterization.

**Uniprot ID:** [Q8WY98](#)

**NCBI:** [NP\\_061991](#)

**GeneID:** [56063](#)

**Host / Isotype:** Rabbit / Ig

**Immunogen:** KLH conjugated synthetic peptide between 85-114 amino acids from the Central region of human C1orf91

**Format:** **State:** Liquid purified Ig fraction  
**Purification:** Affinity chromatography on Protein A  
**Buffer System:** PBS containing 0.09% (W/V) sodium azide as preservative

**Applications:** **ELISA:** 1/1000.  
**Western blotting:** 1/100 - 1/500.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:** This antibody reacts to C1orf91.

**Species Reactivity:** **Tested:** Human.

**Add. Information:** **Molecular Weight:** 17601 Da

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:** 1. Lamesch, P., et al. Genomics 89(3):307-315(2007)  
2. Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

**Pictures:** C1orf91 Antibody (Center) (Cat. #AP50560PU-N) western blot analysis in 293 cell line lysates (35µg/lane). This demonstrates the C1orf91 antibody detected the C1orf91 protein (arrow).

