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[Primary Antibody]

Rabbit Anti-C1orf55 antibody

Catalog Number: SL15071R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C1orf55
Immunogen:	KLH conjugated synthetic peptide derived from human C1orf55: 51-150/451
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	50kDa
Subcellular Location:	The nucleus
Background:	Belonging to the UPF0667 family, C1orf55 is a 451 amino acid protein that is phosphorylated upon DNA damage, likely by Atm or ATR. There are three different isoforms of C1orf55 that are produced as a result of alternative splicing events. The gene encoding C1orf55 maps to human chromosome 1, 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

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	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. **Similarity:** Belongs to the SDE2 family. **Database links:** **Entrez Gene:** 163859 Human **SwissProt:** Q6IQ49 human

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