

For Research Use Only

SFR1 Polyclonal antibody

Catalog Number: 26284-1-AP

Featured Product



Basic Information

Catalog Number:

26284-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23332

GenBank Accession Number:

BC140835

GeneID (NCBI):

119392

UNIPROT ID:

Q86XK3

Full Name:

chromosome 10 open reading frame
78

Observed MW:

35, 36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HL-60 cells, Jurkat cells

Background Information

The SFR1 protein was initially discovered in the context of DNA homologous recombination repair, and its name originates from "Swi6-interacting recombination repair protein 1." However, subsequent research has revealed its central role in the field of cell death, particularly in the process of ^{***}necroptosis^{***}. In the classical necroptosis signaling pathway, when cells receive death signals such as tumor necrosis factor, SFR1 is recruited and phosphorylated by the upstream kinase RIPK3 as a key adaptor protein. Phosphorylated SFR1 specifically binds to and stabilizes MLKL, the core executioner protein of necroptosis, significantly promoting the phosphorylation and subsequent activation of MLKL by RIPK3. This process ultimately leads to plasma membrane rupture and inflammatory cell death. Therefore, SFR1 is considered a critical molecule that precisely regulates the amplification and execution of necroptosis signaling. The study of its function is of great importance for understanding pathological processes such as infections, inflammatory diseases, and tissue damage.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

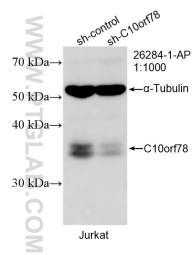
T: 4006900926

E: Proteintech-CN@ptglab.com

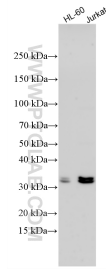
W: ptgcn.com

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Selected Validation Data



WB result of C10orf78 antibody (26284-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-C10orf78 transfected Jurkat cells.



Various lysates were subjected to SDS PAGE followed by western blot with 26284-1-AP (C10orf78 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.