

For Research Use Only

# RNF220 Polyclonal antibody

Catalog Number: 32482-1-AP



## Basic Information

<b>Catalog Number:</b> 32482-1-AP	<b>GenBank Accession Number:</b> BC034221	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 55182	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5VTB9	
<b>Isotype:</b> IgG	<b>Full Name:</b> ring finger protein 220	
<b>Immunogen Catalog Number:</b> AG36190	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : RT-4 cells, U-251 cells, mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

RNF220 is an E3 ubiquitin ligase that plays a crucial role in the ubiquitination process, which targets proteins for degradation by the proteasome. Mutations in RNF220 have been linked to laminopathies, which are characterized by leukodystrophy, ataxia, and deafness. Additionally, RNF220 is involved in the progression of certain cancers, such as acute myeloid leukemia (AML) and colorectal cancer. Studies have shown that RNF220 promotes the proliferation of leukemia cells and reduces the degradation of Cyclin D1 protein through USP22. It also enhances canonical Wnt signaling through USP7-mediated deubiquitination of beta-catenin. (PMID: 32896826)

## 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

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

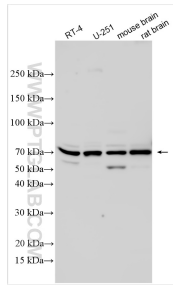
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32482-1-AP (RNF220 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.