

For Research Use Only

RNF8 Monoclonal antibody

Catalog Number: 68521-1-Ig



Basic Information

Catalog Number:

68521-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5292

GenBank Accession Number:

BC007517

GeneID (NCBI):

9025

UNIPROT ID:

O76064

Full Name:

ring finger protein 8

Calculated MW:

485 aa, 56 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein G purification

CloneNo.:

3G3H5

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat, rabbit, pig

Positive Controls:

WB : HeLa cells, HEK-293 cells, K-562 cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

Background Information

RNF8, also named as KIAA0646 or E3 ubiquitin-protein ligase RNF8, is a 485 amino acid protein, which contains one RING-type zinc finger and one FHA domain. RNF8 localizes in the nucleus and belongs to the RNF8 family. E2-E3 ubiquitin ligase complex is composed of the RNF8 homodimer and a E2 heterodimer of UBE2N and UBE2V2. E3 ubiquitin-protein ligase that plays a key role in DNA damage signaling via 2 distinct roles: by mediating the 'Lys-63'-linked ubiquitination of histones H2A and H2AX and promoting the recruitment of DNA repair proteins at double-strand breaks (DSBs) sites, and by catalyzing 'Lys-48'-linked ubiquitination to remove target proteins from DNA damage sites.

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:

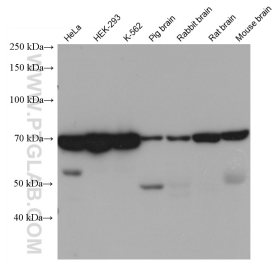
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68521-1-Ig (RNF8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.