

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

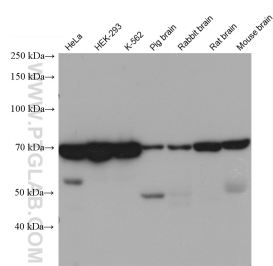
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Selected Validation Data



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.