For Research Use Only

RNF8 Monoclonal antibody, PBS Only

Catalog Number:68521-1-PBS

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Basic Information

Catalog Number:
68521-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse, rat, rabbit, pig

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 -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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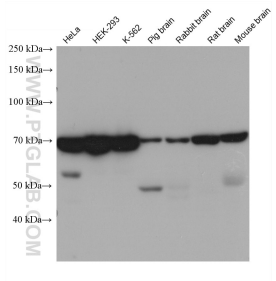
Selected Validation Data



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. This data was developed using the same antibody clone with 68521-1-PBS in a different storage buffer formulation.