

For Research Use Only

RNF8 Monoclonal antibody

Catalog Number: 68521-1-Ig



Basic Information

Catalog Number: 68521-1-Ig	GenBank Accession Number: BC007517	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9025	CloneNo.: 3G3H5
Source: Mouse	Full Name: ring finger protein 8	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Calculated MW: 485 aa, 56 kDa	
Immunogen Catalog Number: AG5292	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: Human, mouse, rat, rabbit, pig	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

*** 20ul sizes contain 0.1% BSA

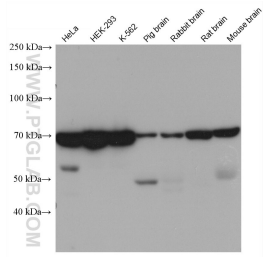
For technical support and original validation data for this product please contact:

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Selected Validation Data



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