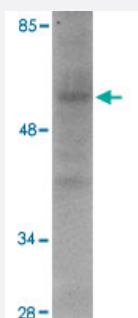


RNF168 polyclonal antibody

Catalog # PAB16741 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of RNF168 in human brain tissue lysate with RNF168 polyclonal antibody (Cat # PAB16741) at 1 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RNF168.
Immunogen	A synthetic peptide corresponding to C-terminus 18 amino acids of human RNF168.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of RNF168 in human brain tissue lysate with RNF168 polyclonal antibody (Cat # PAB16741) at 1 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — RNF168

Entrez GeneID	165918
Protein Accession#	NP_689830
Gene Name	RNF168
Gene Alias	FLJ35794
Gene Description	ring finger protein 168
Gene Ontology	Hyperlink
Gene Summary	The complex repair response elicited by DNA double-strand breaks (DSBs) includes recruitment of several DNA repair proteins and ubiquitination of H2A-type histones (see MIM 142720). RNF168 is an E3 ubiquitin ligase critical for DSB repair (Stewart et al., 2009 [PubMed 19203578]).[supplied by OMIM]
Other Designations	-

Publication Reference

- [RNF168, a new RING finger, MIU-containing protein that modifies chromatin by ubiquitination of histones H2A and H2AX.](#)

Pinato S, Scandiuizzi C, Arnaudo N, Citterio E, Gaudino G, Penengo L.

BMC Molecular Biology 2009 Jun; 10:55.

- [RNF168 binds and amplifies ubiquitin conjugates on damaged chromosomes to allow accumulation of repair proteins.](#)

Doil C, Mailand N, Bekker-Jensen S, Menard P, Larsen DH, Pepperkok R, Ellenberg J, Panier S, Durocher D, Bartek J, Lukas J, Lukas C.

Cell 2009 Feb; 136(3):435.