PARP9 Monoclonal Antibody

Catalog No	BYmab-07188
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PARP9 BAL
Protein Name	Poly [ADP-ribose] polymerase 9 (PARP-9) (EC 2.4.2.30) (ADP-ribosyltransferase diphtheria toxin-like 9) (ARTD9) (B aggressive lymphoma protein)
Immunogen	Synthesized peptide derived from human protein . at AA range: 450-530
Specificity	PARP9 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	93kD
Cell Pathway	Cytoplasm, cytosol . Nucleus . Shuttles between the nucleus and the cytosol (PubMed:16809771). Translocates to the nucleus in response to IFNG or IFNB1 stimulation (PubMed:26479788). Export to the cytosol depends on the interaction with DTX3L (PubMed:16809771). Localizes at sites of DNA damage in a PARP1-dependent manner (PubMed:23230272, PubMed:28525742). .
Tissue Specificity	Expressed in lymphocyte-rich tissues, spleen, lymph nodes, peripheral blood lymphocytes and colonic mucosa (PubMed:11110709, PubMed:16809771). Expressed in macrophages (PubMed:27796300). Also expressed in nonhematopoietic tissues such as heart and skeletal muscle (PubMed:11110709, PubMed:16809771). Isoform 2 is the predominant form (PubMed:11110709). Most abundantly expressed in lymphomas with a brisk host inflammatory response (PubMed:11110709, PubMed:16809771). In diffuse large B-cell lymphomas tumors, expressed specifically by malignant B-cells (PubMed:11110709, PubMed:16809771).

Function	catalytic activity:NAD(+) + (ADP-D-ribosyl)(n)-acceptor = nicotinamide + (ADP-D-ribosyl)(n+1)-acceptor.,miscellaneous:Overexpressed at significantly higher levels in fatal high-risk diffuse large B-cell lymphomas (DLB-CL) compared to cured low-risk tumors. Overexpression in B-cell lymphoma transfectants may promote malignant B-cell migration.,similarity:Contains 1 PARP catalytic domain.,similarity:Contains 2 Macro domains.,subunit:Interacts with BBAP.,tissue specificity:Expressed in lymphocyte-rich tissues, spleen, lymph nodes, peripheral blood lymphocytes and colonic mucosa. Also expressed in nonhematopoietic tissues such as heart and skeletal muscle. Isoform 2 is the predominant form.,
Background	catalytic activity:NAD(+) + (ADP-D-ribosyl)(n)-acceptor = nicotinamide + (ADP-D-ribosyl)(n+1)-acceptor.,miscellaneous:Overexpressed at significantly higher levels in fatal high-risk diffuse large B-cell lymphomas (DLB-CL) compared to cured low-risk tumors. Overexpression in B-cell lymphoma transfectants may promote malignant B-cell migration.,similarity:Contains 1 PARP catalytic domain.,similarity:Contains 2 Macro domains.,subunit:Interacts with BBAP.,tissue specificity:Expressed in lymphocyte-rich tissues, spleen, lymph nodes, peripheral blood lymphocytes and colonic mucosa. Also expressed in nonhematopoietic tissues such as heart and skeletal muscle. Isoform 2 is the predominant form.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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