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MUM1 Mouse mAb

Catalog # AP100063

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q2TAK8
Other Accession	Q2TAK8
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	78636
Physical State	Liquid
Immunogen	Recombinant human PWWP3A protein
Epitope Specificity	1-710/710
Isotype	IgG2a
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300.
SIMILARITY	Belongs to the MUM1 family.
SUBUNIT	nteracts with TP53BP1 (via BRCT domain); the interaction is not dependent on its phosphorylation status. Binds nucleosomes.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Enables nucleosome binding activity. Involved in DNA repair and chromatin organization. Located in cytosol and nucleoplasm. [provided by Alliance of Genome Resources, Jun 2025]

Additional Information

Gene ID	84939
Other Names	PWP3A_HUMAN; PWWP3A; Mutated melanoma-associated antigen 1 (MUM-1); PWWP domain-containing protein MUM1; Protein expandere; EXPAND1; MUM1; HSPC211; MUM-1; PWWP domain containing 3A, DNA repair factor; melanoma associated antigen (mutated) 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PWWP3A (HGNC:29641)
Function	Involved in the DNA damage response pathway by contributing to the maintenance of chromatin architecture. Recruited to the vicinity of DNA breaks by TP53BP1 and plays an accessory role to facilitate damage-induced chromatin changes and promoting chromatin relaxation. Required for efficient DNA repair and cell survival following DNA damage.
Cellular Location	Nucleus. Note=Recruited to DNA damage sites via its interaction with the BRCT domain of TP53BP1

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.