

MUM1 Antibody (clone 4G10)
Mouse Monoclonal Antibody
Catalog # ALS13208**Specification**

MUM1 Antibody (clone 4G10) - Product Information

Application	IHC
Primary Accession	Q2TAK8
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	79kDa KDa

MUM1 Antibody (clone 4G10) - Additional Information**Gene ID** 84939**Other Names**

PWWP domain-containing protein MUM1, Mutated melanoma-associated antigen 1, MUM-1, Protein expandere, MUM1, EXPAND1

Target/Specificity

Human MUM1

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

MUM1 Antibody (clone 4G10) is for research use only and not for use in diagnostic or therapeutic procedures.

MUM1 Antibody (clone 4G10) - 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

Volume

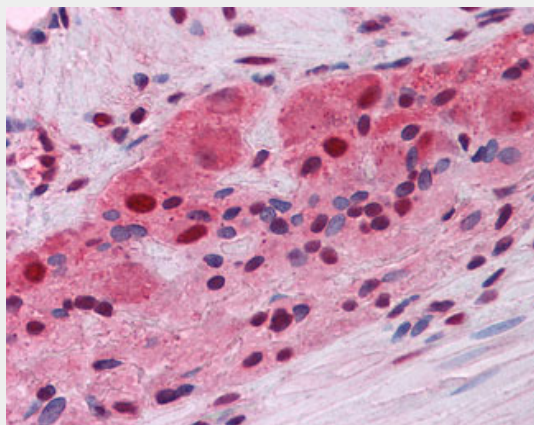
50 µl

MUM1 Antibody (clone 4G10) - Protocols

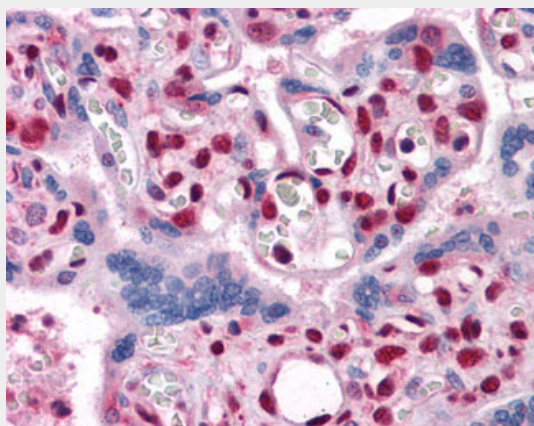
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

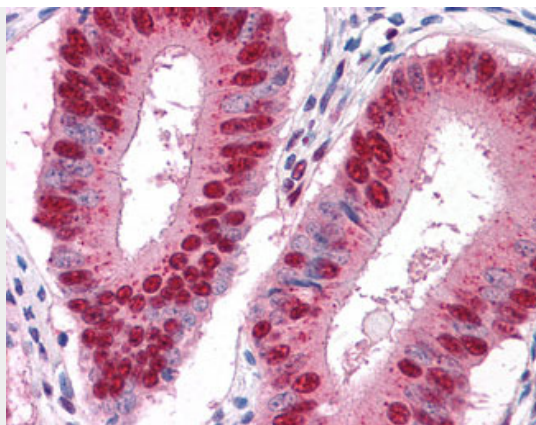
MUM1 Antibody (clone 4G10) - Images



Anti-MUM1 antibody IHC of human small intestine, myenteric plexus.



Anti-MUM1 antibody IHC of human placenta.



Anti-MUM1 antibody IHC of human uterus.

MUM1 Antibody (clone 4G10) - Background

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MUM1 Antibody (clone 4G10) - References

- Grimwood J., et al. Nature 428:529-535(2004).
Coulie P.G., et al. Proc. Natl. Acad. Sci. U.S.A. 92:7976-7980(1995).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Huen M.S., et al. Mol. Cell 37:854-864(2010).