SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-MUM1/AF647 Conjugated antibody

Catalog Number: SL6811R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-MUM1/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human MUM1/FLJ14868
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Cow,Horse,Sheep)
Background:	background: 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. **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. **Subunit:** Interacts with TP53BP1 (via BRCT domain); the interaction is not dependent on its phosphorylation status. Binds nucleosomes. **Subcellular Location:** Nucleus. Note=Recuited to DNA damage sites via its interaction with the BRCT domain of TP53BP1. **Post-translational modifications:** Phosphorylated upon DNA damage,

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	probably by ATM or ATR. **Similarity:** Belongs to the MUM1 family. Contains 1 PWWP domain. **Database links:** Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.