

Rabbit MUM1 Polyclonal Antibody | anti-MUM1 antibody

MUM1 Antibody

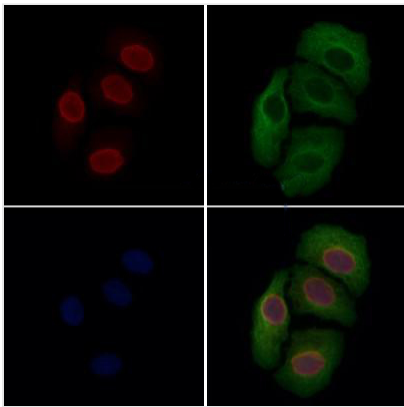
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31214	Rabbit	Human, Mouse, Rat, Monkey Predicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Sheep(100%)	ELISA

PRODUCT SYNONYMS

MUM1; Polyclonal Antibody; MUM1 Antibody; EXPAND1; FLJ14868; FLJ22283; HSPC211; Melanoma associated antigen (mutated) 1; Melanoma ubiquitous mutated protein; MGC131891; MGC163315; MUM 1; MUM-1; MUM1_HUMAN; Mutated melanoma associated antigen 1; Mutated melanoma-associated antigen 1; Protein expandere; PWWP domain containing protein MUM1; PWWP domain-containing protein MUM1; anti-MUM1 antibody

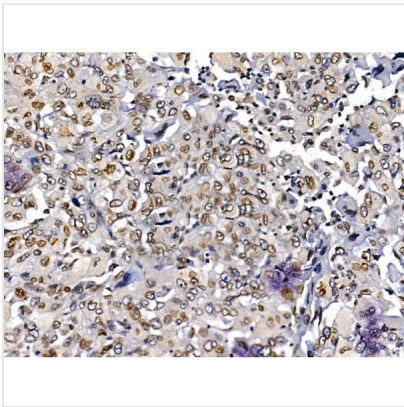
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey Predicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Sheep(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	MUM1 Antibody detects endogenous levels of total MUM1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	710
Applicable Applications for anti-MUM1 antibody	ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human MUM1, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



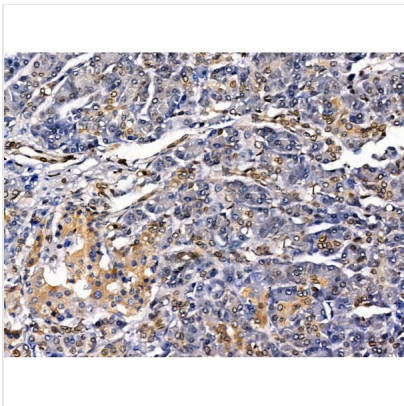
IF (Immunofluorescence)

AAA31214 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31214 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



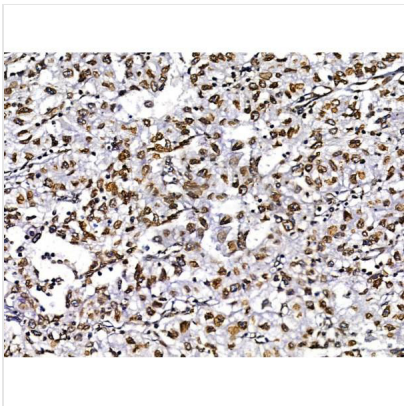
IHC (Immunohistochemistry-Paraffin)

AAA31214 at 1/100 staining Human lung cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31214 at 1/100 staining Human pancreatic cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



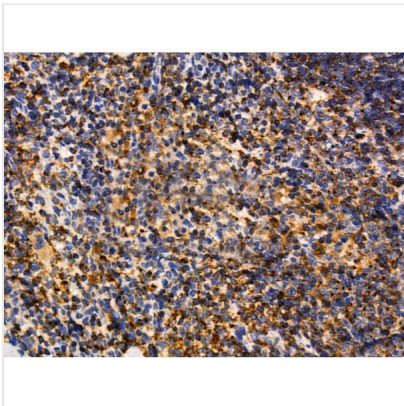
IHC (Immunohistochemistry-Paraffin)

AAA31214 at 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31214 at 1/100 staining Human gastric cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31214 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MUM1 antibody	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. Subcellular Location: Nucleus. Note: Recruited to DNA damage sites via its interaction with the BRCT domain of TP53BP1. Subunit Structure: Interacts with TP53BP1 (via BRCT domain); the interaction is not dependent on its phosphorylation status. Binds nucleosomes. Interacts with trimethylated 'Lys-36' of histone H3 (H3K36me3) (in vitro). Similarity: The PWWP domain mediates the interaction with nucleosomes.Belongs to the PWWP3A family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	259016340
NCBI GeneID	84939
UniProt Accession #	Q2TAK8
Molecular Weight	Observed Molecular Weight: (Observed)78kD. Predicted Molecular Weight: (Calculated)79kDa.
NCBI Official Full Name	PWWP domain-containing DNA repair factor 3A
NCBI Official Synonym Full Names	PWWP domain containing 3A, DNA repair factor
NCBI Official Symbol	PWWP3A
NCBI Official Synonym Symbols	MUM1; MUM-1; EXPAND1; HSPC211
NCBI Protein Information	PWWP domain-containing DNA repair factor 3A
UniProt Protein Name	PWWP domain-containing protein MUM1
UniProt Gene Name	MUM1
UniProt Synonym Gene Names	EXPAND1; MUM-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mum1-antibody-elisa/31214>