

Anti-RPA2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 29 kDa. Actual: 29 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Sample: Bone (Mouse) Lysate at 40 µg Muscle (Mouse) Lysate at 40 µg Primary: Anti-RPA32 (TMAB-12347) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kD</p> <p>Observed band size: 29 kD</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (RPA32) Polyclonal Antibody, Unconjugated (TMAB-12347) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human RPA32/RPA2
Antigen Species:	Human
Gene ID:	6118
Uniprot ID:	P15927

Research Background

Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions. Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual

incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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