

# Phospho-Zap-70 (Tyr315, Tyr319) Recombinant Rabbit Monoclonal Antibody (4H16L19)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	4H16L19
Conjugate	Unconjugated
Immunogen	A peptide corresponding to amino acids 311-323 of P43403.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532289

Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	1-3 µg/mL	
Immunofluorescence (IF)	✓	1-3 µg/mL	
Western Blot (WB)	✓	0.5-2 µg/mL	

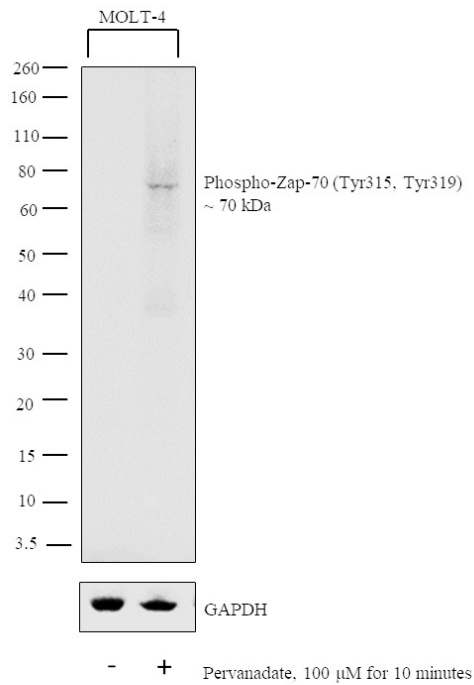
## Product Specific Information

This antibody is predicted to react with primate, bovine and Xenopus based on sequence homology.

Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

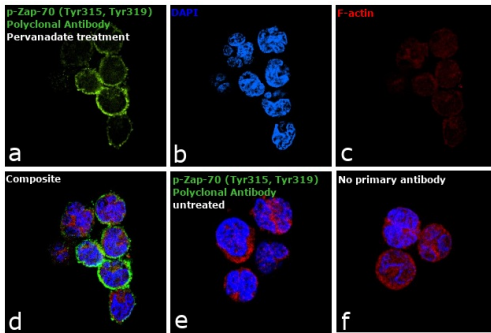
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

## Advanced Verification Data



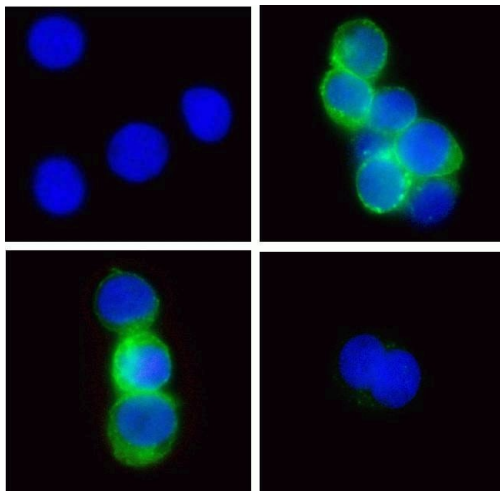
### Phospho-Zap-70 (Tyr315, Tyr319) Antibody (700177)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Phospho-Zap-70 (Tyr315, Tyr319) Polyclonal Antibody (Product # 700177), shows induced phosphorylation of Zap-70 protein in MOLT-4 cell line upon Pervanadate treatment. Cell Treatment validation info.



### Phospho-Zap-70 (Tyr315, Tyr319) Antibody (700177)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis using Anti-Phospho-Zap-70 (Tyr315, Tyr319) Polyclonal Antibody (Product # 700177), shows induced phosphorylation of Zap-70 protein in MOLT-4 cell line upon Pervanadate treatment. Cell Treatment validation info.



### Phospho-Zap-70 (Tyr315, Tyr319) Antibody (700177)

Modulation of expression of target protein by cell treatment to demonstrate antibody specificity. Immunofluorescence analysis of Phospho-Zap70 pTyr315/319 using a Phospho-Zap70 pTyr315/319 recombinant rabbit monoclonal antibody (Product # 700177) shows induction of Zap70 pTyr315/319 phosphorylation in Jurkat cells treated with H<sub>2</sub>O<sub>2</sub>, as compared to untreated cells. Cell Treatment validation info.

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