

## Anti-Phospho-Paxillin (Tyr31) Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 64 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Mouse uterus); 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 (Phospho-Paxillin (Tyr31)) Polyclonal Antibody, Unconjugated (TMAB-11118) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	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 Synthesised phosphopeptide: human Paxillin around the phosphorylation site of Tyr31
Antigen Species:	Human
Gene ID:	5829
Uniprot ID:	P49023

## Research Background

Paxillin is a 64 kDa cytoskeletal adapter protein involved in organisation and function of focal adhesions, which are critical to cell adhesion and migration. This in turn plays a role in a wide variety of processes including embryogenesis, organogenesis, wound repair, inflammation and cancer. Paxillin contains LD motifs, LIM domains, SH3 and SH2 binding domains that serve as docking sites for cytoskeletal proteins, tyrosine kinases (e.g., FAK, Pyk 2, Src), serine/threonine kinases, GTPase activating proteins and other adaptor proteins (e.g., Actin, Vinculin, Crk).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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