

Anti-PAK2 Antibody (4F579)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 58 kDa. Actual: 61 kDa.
Clone:	4F579
Purification:	Protein A purified

Applications

Verified Activity:

1. The HeLa (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-PAK2 antibody (TMAB-09939, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.
2. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Mouse Skin; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Rat Skin; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded Human Skin; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal

Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.

10. Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.

11. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.

12. Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.

13. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PAK2 Monoclonal Antibody, Unconjugated (TMAB-09939) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L-HRP and DAB staining.

14. 25 ug total protein per lane of various lysates (see on figure) probed with PAK2 monoclonal antibody, unconjugated (TMAB-09939) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.

15. 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (PAK2) monoclonal Antibody, unconjugated (TMAB-09939) 1: 100, 90 min at 37° C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, BF488) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

Application: FCM,ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended FCM=1:50-100; ICC/IF=1:100-500; IF=1:50-200; IHC-Fr=1:50-200; IHC-P=1:50-200; WB=1:500-2000

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: A synthesized peptide: human PAK2

Antigen Species: Human

Gene ID: 5062

Uniprot ID: Q13177

Research Background

Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell motility, cell cycle progression, apoptosis or proliferation. Acts as a downstream effector of the small GTPases CDC42 and RAC1. Activation by the binding of active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues.

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