

## Product Datasheet

# Phospho-FAK (Tyr576 + Tyr577) Rabbit Polyclonal Antibody (orb5211)

<b>Catalog Number</b>	orb5211
<b>Category</b>	Antibodies
<b>Description</b>	Phospho-FAK (Tyr576 + Tyr577) Rabbit Polyclonal Antibody
<b>Target</b>	PTK2
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted Reactivity</b>	Bovine, Canine, Equine, Gallus, Rabbit
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	KLH conjugated Synthesised phosphopeptide derived from human FAK around the phosphorylation site of Tyr576/577 ST(p-Y)(p-Y)KA
<b>UniProt ID</b>	<b>Q05397</b>

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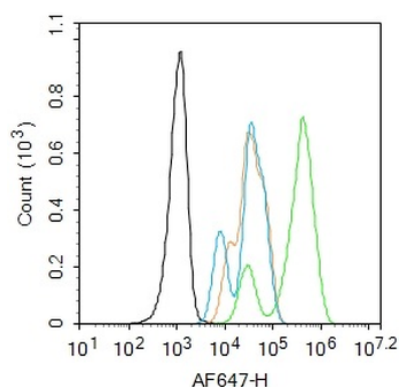
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<b>RRID</b>	AB_10960248
<b>MW</b>	116 kDa
<b>Tested applications</b>	FC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=1ug/Test
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-Phospho-FAK (Tyr576 + Tyr577) antibody (orb5211), dilution: 1  $\mu\text{g}/10^6$  cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647, dilution: 1  $\mu\text{g}/\text{Test}$ . Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at  $-20^\circ\text{C}$ . The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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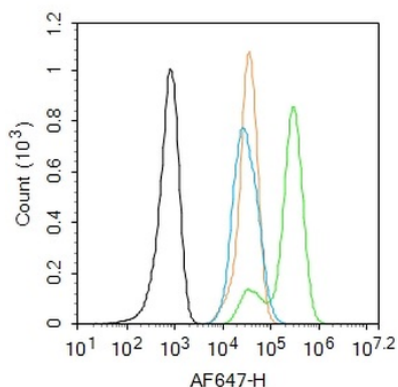
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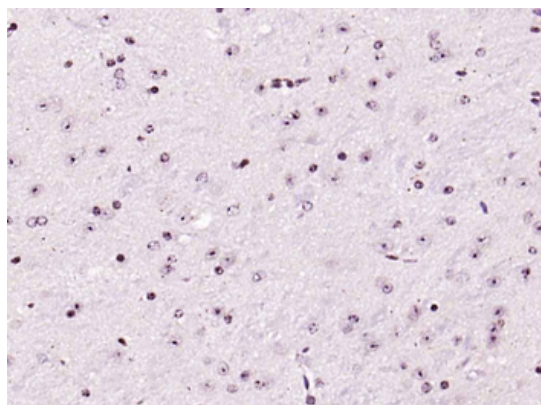
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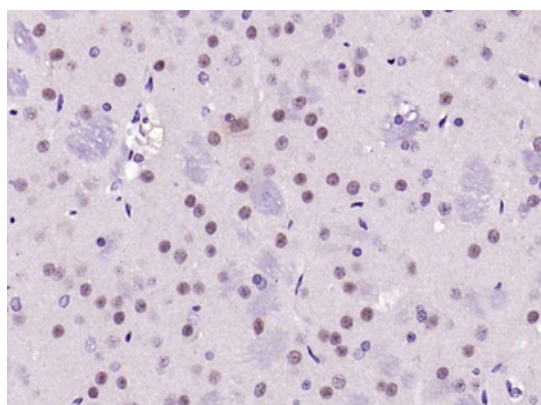
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Paraformaldehyde-fixed, paraffin embedded (mouse brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at  $37^\circ\text{C}$  for 30 min, Antibody incubation with (Phospho-FAK (Tyr576 + Tyr577)) Polyclonal Antibody, Unconjugated (orb5211) at 1:200 overnight at  $4^\circ\text{C}$ , followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain), 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  $37^\circ\text{C}$  for 30 min, Antibody incubation with (Phospho-FAK (Tyr576 + Tyr577)) Polyclonal Antibody, Unconjugated (orb5211) at 1:200 overnight at  $4^\circ\text{C}$ , followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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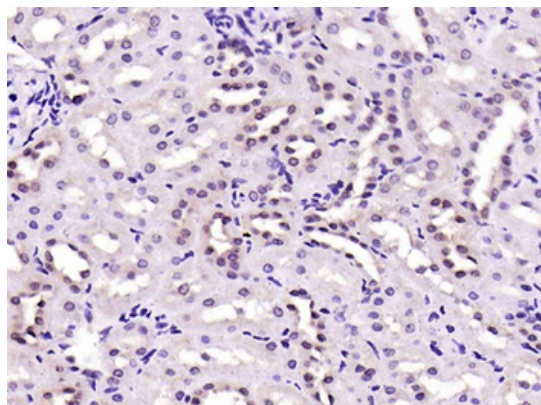
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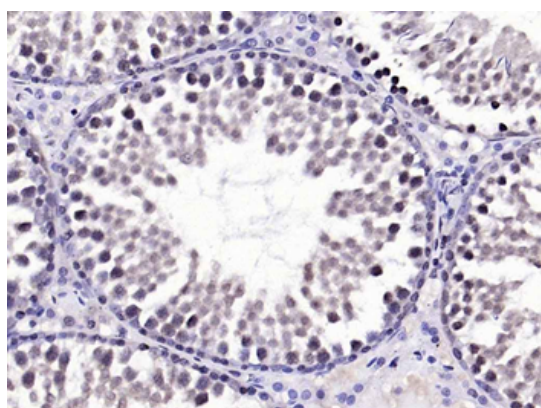
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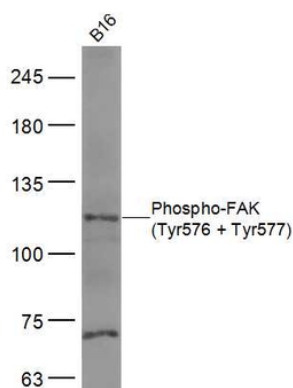
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Paraformaldehyde-fixed, paraffin embedded (rat kidney), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Phospho-FAK (Tyr576 + Tyr577)) Polyclonal Antibody, Unconjugated (orb5211) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis), 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-FAK (Tyr576 + Tyr577)) Polyclonal Antibody, Unconjugated (orb5211) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: B16 (Mouse) Cell Lysate at 40 ug, Primary: Anti-Phospho-FAK (Tyr576 + Tyr577) (orb5211) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 116 kD, Observed band size: 116 kD.

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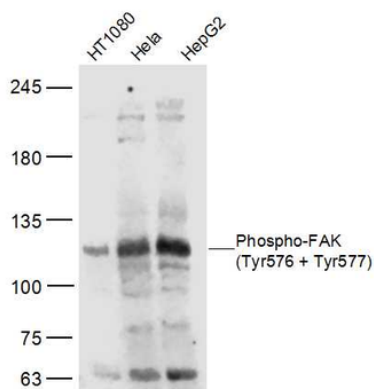
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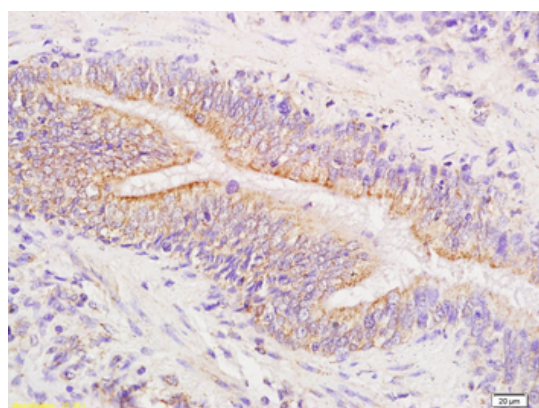
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Sample: HT1080 (Human) Cell Lysate at 30 ug, HeLa (Human) Cell Lysate at 30 ug, HepG2 (Human) Cell Lysate at 30 ug, Primary: Anti-Phospho-FAK (Tyr576 + Tyr577) (orb5211) at 1/300 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 116 kD, Observed band size: 116 kD.



Tissue/Cell: human pneumonia tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-Phospho-FAK (Tyr576/577) Polyclonal Antibody, Unconjugated (orb5211) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

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