

Anti-FAK Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 116 kDa. Actual: 116-120 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Lane 1: Testis (Mouse) Lysate at 40 µg
Lane 2: NIH/3T3 (Mouse) Cell Lysate at 30 µg
Lane 3: Cerebrum (Mouse) Lysate at 40 µg
Lane 4: Testis (Mouse) Lysate at 40 µg
Lane 5: 293T (Human) Cell Lysate at 30 µg
Lane 6: A431 (Human) Cell Lysate at 30 µg
Lane 7: Huvec (Human) Cell Lysate at 30 µg
Lane 8: MDA-MB-231 (Human) Cell Lysate at 30 µg
Lane 9: A549 (Human) Cell Lysate at 30 µg
Primary: Anti-FAK (TMAB-00653) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 125 kDa
Observed band size: 125 kDa

Verified Activity:

2. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (TMAB-00653) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (TMAB-00653) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (TMAB-00653) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (TMAB-00653) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (TMAB-00653) at 1:400

overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.

7. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (TMAB-00653) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

8. Sample:

MCF-7 (Human) Cell Lysate at 30 µg

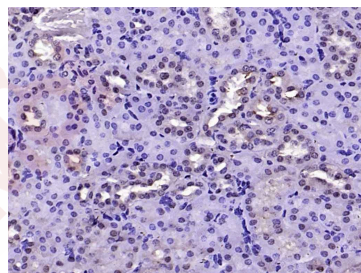
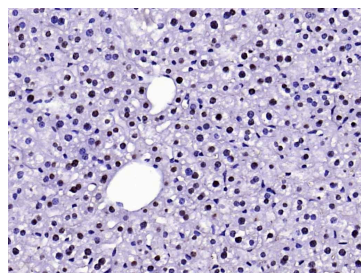
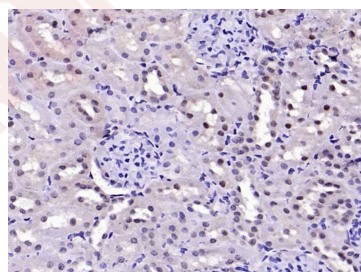
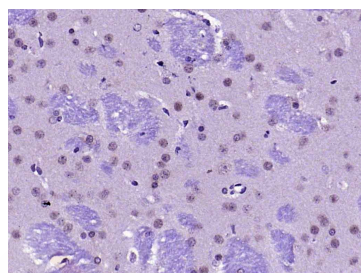
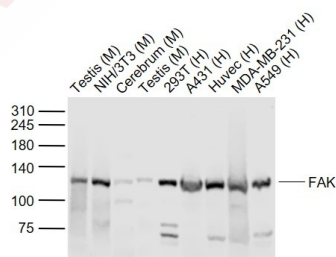
Lymphnode (Mouse) Lysate at 40 µg

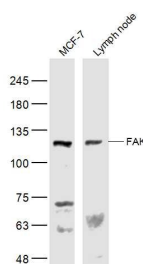
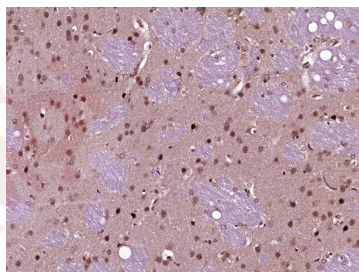
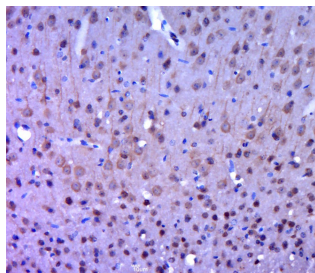
Primary: Anti-FAK (TMAB-00653) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 116 kDa

Observed band size: 116 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: 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 FAK

Antigen Species: Human

Gene ID: 5747

Uniprot ID: Q05397

Synonyms: PPP1R71;pp125FAK;PTK 2;FRNK;p125FAK;Protein-tyrosine kinase 2;Protein phosphatase 1 regulatory subunit 71;FAK1;FADK 1;FADK;Focal adhesion kinase-related nonkinase;FAK related non kinase polypeptide;Protein Tyrosine Kinase Cytoplasmic;Focal adhesion kinase 1;Protein tyrosine kinase 2;FAK 1

Biology Area: FAK family,Integrins,Focal Adhesions,FAK / PYK

Research Background

Non-receptor protein-tyrosine kinase implicated in signaling pathways involved in cell motility, proliferation and apoptosis. Activated by tyrosine-phosphorylation in response to either integrin clustering induced by cell adhesion or antibody cross-linking, or via G-protein coupled receptor (GPCR) occupancy by ligands such as bombesin or lysophosphatidic acid, or via LDL receptor occupancy. Plays a potential role in oncogenic transformations resulting in increased kinase activity. [SUBCELLULAR LOCATION] Cell junction, focal adhesion. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Constituent of focal adhesions.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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