

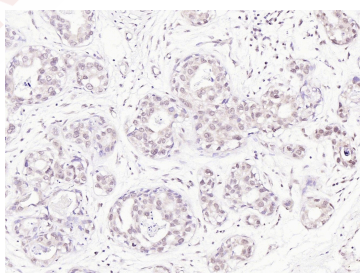
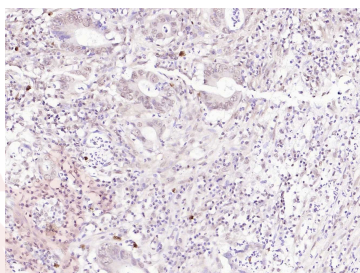
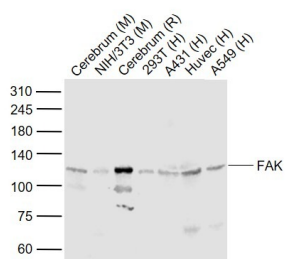
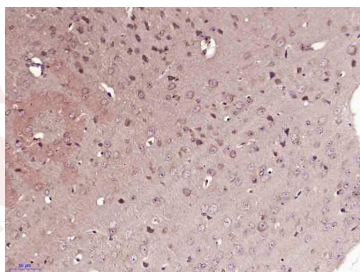
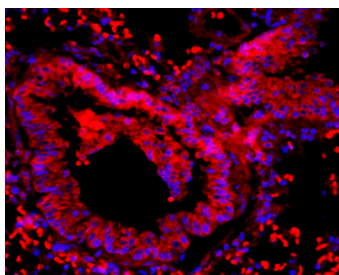
Anti-FAK Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 116 kDa. Actual: 120 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: mouse lung tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-FAK/PTK2 Polyclonal Antibody, Unconjugated (TMAB-00652) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 µg/ml,blue) was used to stain the cell nucleus.
 2. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (FAK) Polyclonal Antibody, Unconjugated (TMAB-00652) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
 3. Sample:
 - Lane 1: Cerebrum (Mouse) Lysate at 40 µg
 - Lane 2: NIH/3T3 (Mouse) Cell Lysate at 30 µg
 - Lane 3: Cerebrum (Rat) Lysate at 40 µg
 - Lane 4: 293T (Human) Cell Lysate at 30 µg
 - Lane 5: A431 (Human) Cell Lysate at 30 µg
 - Lane 6: Huvec (Human) Cell Lysate at 30 µg
 - Lane 7: A549 (Human) Cell Lysate at 30 µg
- Verified Activity: Primary: Anti-FAK (TMAB-00652) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 125 kDa
Observed band size: 120 kDa
4. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); 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-00652) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
 5. Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); 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-00652) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



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