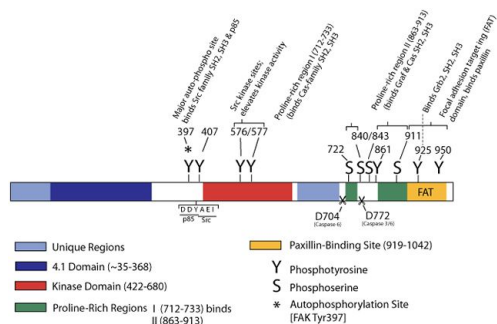


Phospho-FAK (Tyr577) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Chicken, Human, Mouse, Xenopus
Published Species	Mouse, Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human FAK that contains tyrosine 577. The sequence is conserved in mouse, rat, chicken and frog.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 50% glycerol, 1mg/mL BSA
Contains	0.05% sodium azide
Storage Conditions	-20°C
RRID	AB_2533695

Applications	Tested	Dilution	Published
Miscellaneous PubMed (MISC)	-	1:500	2 Publications
Western Blot (WB)	✓	1:1000	6 Publications
Immunoprecipitation (IP)	-		2 Publications

Product Images For Phospho-FAK (Tyr577) Polyclonal Antibody



FAK Protein Schematic

Phospho-FAK (Tyr577) Antibody (44-614G)

Focal Adhesion Kinase (FAK) Protein Schematic-Focal Adhesion Kinase (FAK) is a non-receptor protein tyrosine kinase discovered as a substrate for Src and as a key element of integrin signaling. FAK plays a central role in cell spreading, differentiation, migration, cell death and acceleration of the G1 to S phase transition of the cell cycle. FAK regulation includes phosphorylation at multiple tyrosine and serine residues. Phosphorylation of tyrosine generally is associated with positive regulation and growth promotion; however, dephosphorylation at these sites occurs as cells enter mitosis (M-Phase of the cell cycle). In contrast, serine phosphorylation either remains high or is increased as cells enter mitosis. (Product # 44-626G).

10 References

Miscellaneous PubMed (2)

Scientific reports

Focal adhesion kinase-dependent focal adhesion recruitment of SH2 domains directs SRC into focal adhesions to regulate cell adhesion and migration.

"44-614G was used in western blot to test if SRC, SHP1, and SHP2 target focal adhesions via their SH2 domains"

Authors: Wu JC,Chen YC,Kuo CT,Wenshin Yu H,Chen YQ,Chiou A,Kuo JC

Species
Human
Mouse

Dilution
1:500
1:500

Year
2015

Oncogene

A novel role for Plk4 in regulating cell spreading and motility.

"44-614G was used in immunocytochemistry to show that Plk4 promotes cell migration."

Authors: Rosario CO,Kazazian K,Zih FS,Brashavitskaya O,Haffani Y,Xu RS,George A,Dennis JW,Swallow CJ

Species
Mouse

Dilution
1:200

Year
2015

Western Blot (6)

Environmental toxicology and pharmacology

Collagen density regulates xenobiotic and hypoxic response of mammary epithelial cells.

"44-614G was used in western blot to determine the effect of high density or low density collagen gels on the xenobiotic or hypoxic responses of mammary cells."

Authors: Curran CS,Carrillo ER,Ponik SM,Keely PJ

Species
Human

Dilution
1:3000

Year
2015

Biochemical pharmacology

Pelargonidin attenuates PDGF-BB-induced aortic smooth muscle cell proliferation and migration by direct inhibition of focal adhesion kinase.

"44-614G was used in western blot to study the preventive effects of pelargonidin toward atherosclerosis mechanistically."

Authors: Son JE,Jeong H,Kim H,Kim YA,Lee E,Lee HJ,Lee KW

Species
Human

Dilution
Not Cited

Year
2014

[View more WB references on thermofisher.com](#)

More applications with references on thermofisher.com

IP (2)

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