FAK(Ab-576/577) Antibody

#21545

Catalog Number: 21545-1, 21545-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. :Q05397

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from Human FAK around the phosphorylation site of tyrosine 576/577 (T-Y-Yp-K-A).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

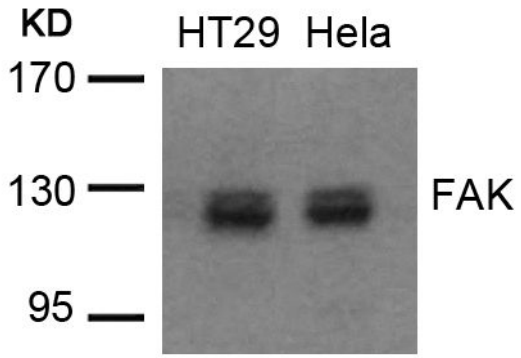
Specificity/Sensitivity:FAK (Ab-576/577) antibody detects endogenous levels of total FAK protein

Reactivity: Human,Mouse,Rat

Applications:

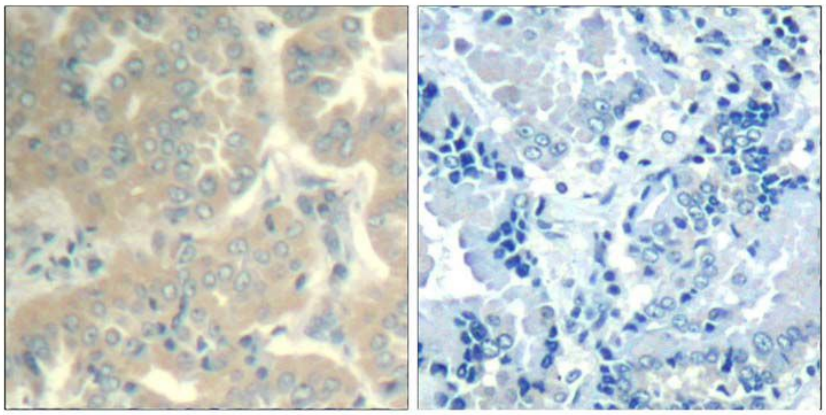
Predicted MW: 125 kd

WB: 1:500~1:1000 IHC: 1:50~1:100



Western blot analysis of extracts from HT29 and Hela cells

using FAK(Ab-576/577) Antibody #21545.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using FAK (Ab-576/577) Antibody (#21545).

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.

References:

Parsons, J.T. et al. (2000) *Oncogene* 19, 5606-5613.
Schaller, M.D. et al. (1994) *Mol. Cell. Biol.* 14, 1680-1688.
Chen, H.C. et al. (1996) *J. Biol. Chem.* 271, 26329-26334.
Calalb, M.B. et al. (1995) *Mol. Cell. Biol.* 15, 954-963.