

## Product datasheet for **TA380510**

### FAK (PTK2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, IP, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IHC, 1:50 - 1:200 IF, 1:50 - 1:200 IP, 1:50 - 1:100
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 700-800 of human FAK (NP_722560.1).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	39kDa/48kDa/63kDa/99kDa/114kDa/119kDa/120kDa
Gene Name:	protein tyrosine kinase 2
Database Link:	<a href="#">Entrez Gene 5747 Human Q05397</a>



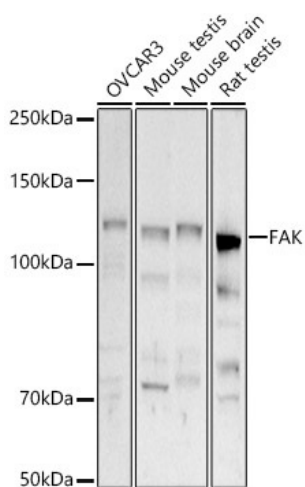
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**Background:**

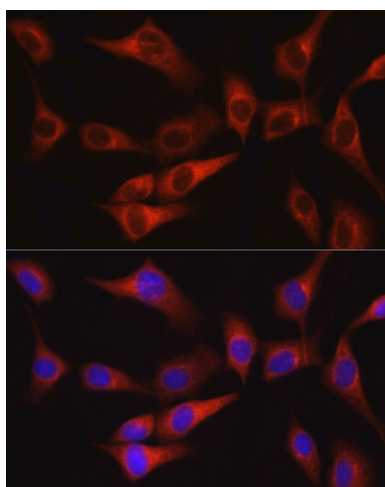
This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. Several transcript variants encoding different isoforms have been found for this gene.

**Synonyms:**

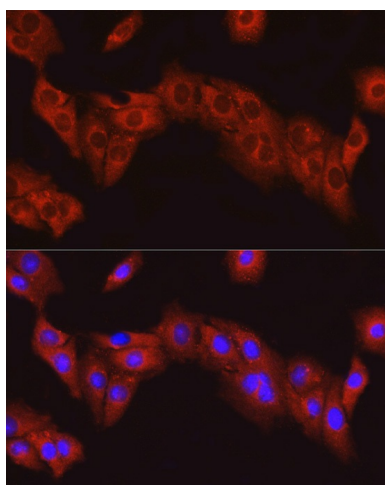
FADK; FAK; FAK1; FRNK; pp125FAK

**Product images:**

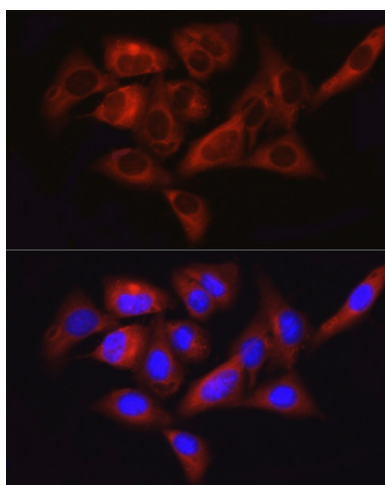
Western blot analysis of extracts of various cell lines, using FAK antibody (TA380510) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 30s.



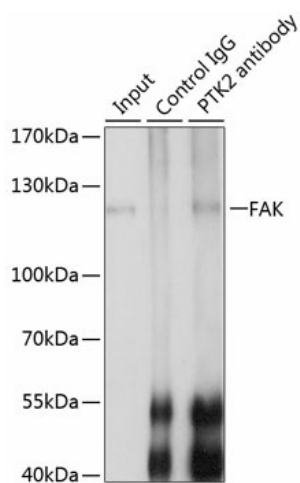
Immunofluorescence analysis of NIH/3T3 cells using FAK Rabbit pAb (TA380510) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using FAK Rabbit pAb (TA380510) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using FAK Rabbit pAb (TA380510) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of Jurkat cells, using 3 ug FAK antibody (TA380510). Western blot was performed from the immunoprecipitate using FAK antibody (TA380510) at a dilution of 1:1000.