

## Product datasheet for **TA380514**

### FAK (PTK2) Rabbit Polyclonal Antibody

#### Product data:

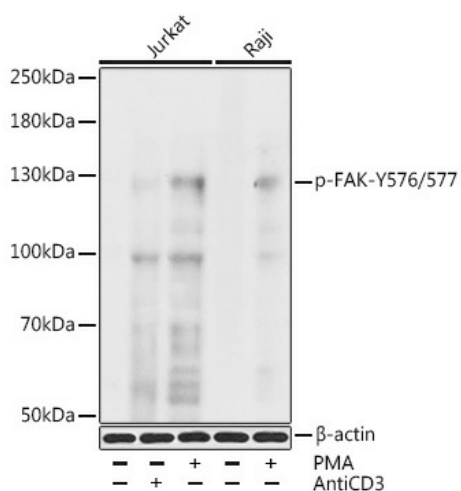
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB, 1:500 - 1:2000
Reactivity:	Human
Modifications:	Phospho Y576/577
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around Y576 & Y577 of human PTK2 (NP_722560.1).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
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>
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.



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Synonyms: FADK; FAK; FAK1; FRNK; pp125FAK

**Product images:**



Western blot analysis of extracts of Jurkat and Raji cells, using Phospho-FAK-Y576/577 antibody (TA380514) at 1:1000 dilution. Jurkat cells were treated by CD-3 (10 ug/mL) for 2 minutes after serum-starvation overnight or treated by PMA/TPA (200nM) for 10 minutes. Raji cells were treated by PMA/TPA (200nM) for 30 minutes. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% BSA. |Detection: ECL Basic Kit . |Exposure time: 90s.