

## Product datasheet for **AP55876PU-S**

### FAK (PTK2) pSer843 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine843(R-G-S(p)-I-D) derived from Human FAK (KLH-conjugated)
Specificity:	The antibody detects endogenous level of FAK only when phosphorylated at serine 843.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	120 kDa
Gene Name:	protein tyrosine kinase 2
Database Link:	<a href="#">Entrez Gene 5747 Human Q05397</a>



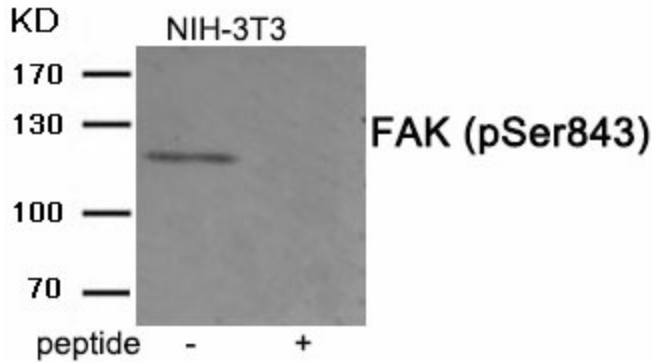
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**Background:**

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.

**Synonyms:**

FAK, Focal adhesion kinase 1, FADK1, pp125FAK, Protein-tyrosine kinase 2

**Product images:**

Western blot analysis of extracts from HepG2 cells treated with PMA using Phospho-FAK (Ser843) Antibody. The lane on the right is treated with the antigen-specific peptide.