

Datasheet for ABIN1531597  
**anti-FAK antibody (pTyr397)**



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2 Images

## Overview

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Quantity:            | 100 µL                                                   |
| Target:              | FAK (PTK2)                                               |
| Binding Specificity: | AA 363-412, pTyr397                                      |
| Reactivity:          | Human, Mouse, Rat                                        |
| Host:                | Rabbit                                                   |
| Clonality:           | Polyclonal                                               |
| Conjugate:           | This FAK antibody is un-conjugated                       |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

## Product Details

|               |                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human FAK around the phosphorylation site of Tyr397.                                                                                          |
| Isotype:      | IgG                                                                                                                                                                                                               |
| Specificity:  | FAK (Phospho-Tyr397) Antibody detects endogenous levels of FAK only when phosphorylated at Tyr397.<br>PhosphorylationH:Y397 M:Y428 R:Y397                                                                         |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity:       | > 95 %                                                                                                                                                                                                            |

### Target Details

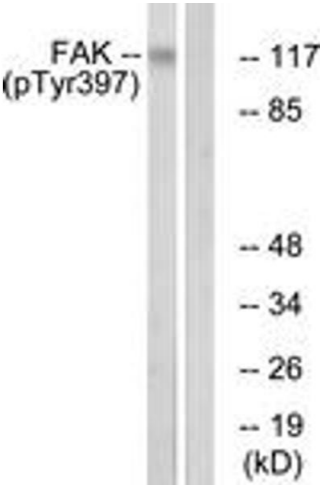
|                   |                                                                                                                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | FAK (PTK2)                                                                                                                                                                                                                                             |
| Alternative Name: | FAK ( <a href="#">PTK2 Products</a> )                                                                                                                                                                                                                  |
| Background:       | Synonyms: FADK 1, FAK1, Focal adhesion kinase 1, pp125FAK, Protein- tyrosine kinase 2, PTK2<br>NCBI Gene Symbol: PTK2                                                                                                                                  |
| Molecular Weight: | 119 kDa                                                                                                                                                                                                                                                |
| Gene ID:          | 5747                                                                                                                                                                                                                                                   |
| OMIM:             | 600758                                                                                                                                                                                                                                                 |
| UniProt:          | <a href="#">Q05397</a>                                                                                                                                                                                                                                 |
| Pathways:         | <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">VEGF Signaling</a> |

### Application Details

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Application Notes: | WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:1000     |
| Comment:           | Unigene-Number: Hs.395482 (NCBI Gene Symbol: PTK2) |
| Restrictions:      | For Research Use only                              |

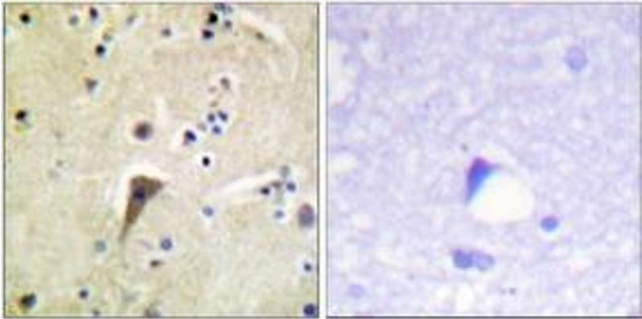
### Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 mg/mL                                                                                                                |
| Buffer:            | phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.         |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |



#### Western Blotting

**Image 1.** Western blot analysis of extracts from Jurkat cells treated with  $\text{Ca}^{2+}$  40nM 30', using FAK (Phospho-Tyr397) Antibody. The lane on the right is treated with the synthesized peptide.



#### Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human brain, using FAK (Phospho-Tyr397) Antibody. The picture on the right is treated with the synthesized peptide.