

# KD-Validated Anti-Protein Tyrosine Kinase 2 Rabbit

Rabbit monoclonal antibody

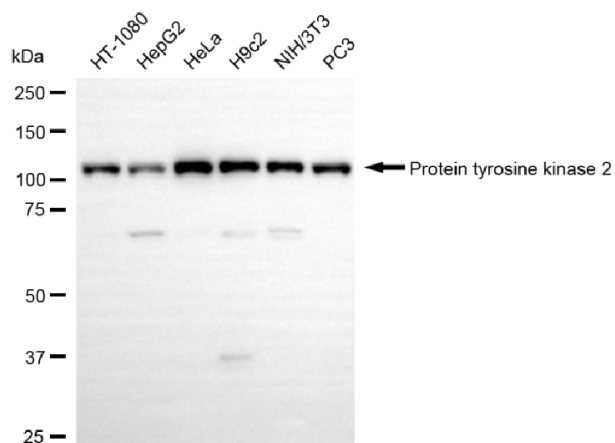
ABG1302

## Product Overview

|                             |                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-Protein Tyrosine Kinase 2<br>Rabbit Monoclonal Antibody                                        |
| <b>Accession(Primary)</b>   | Q05397                                                                                                           |
| <b>Host Species</b>         | Rabbit                                                                                                           |
| <b>Clonality</b>            | Monoclonal                                                                                                       |
| <b>Isotype</b>              | Rabbit IgG                                                                                                       |
| <b>Immunogen</b>            | A synthesized peptide derived from human FAK                                                                     |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                                                                |
| <b>Calculated MW</b>        | Predicted, 119 kDa; observed, 119 kDa                                                                            |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol,<br>and 0.02% sodium azide.                                     |
| <b>Recommended Dilution</b> | Western blotting (WB): 1:1,000-1:5,000Flow<br>Cytometry (FCM): 1:2,000Immunocytochemistry<br>(IC): 1:100-1:1,000 |

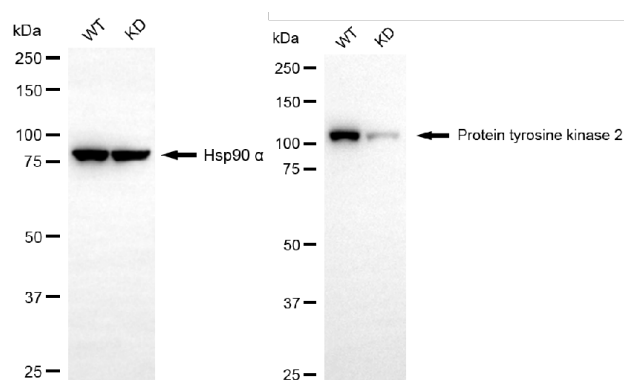
## Target information (Q05397)

|                          |                                                                                                                                                                                                                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | PTK2                                                                                                                                                                                                                                                                                           |
| <b>About Gene Symbol</b> | PTK2 (Protein Tyrosine Kinase 2) is a receptor tyrosine kinase involved in cell migration and invasion. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



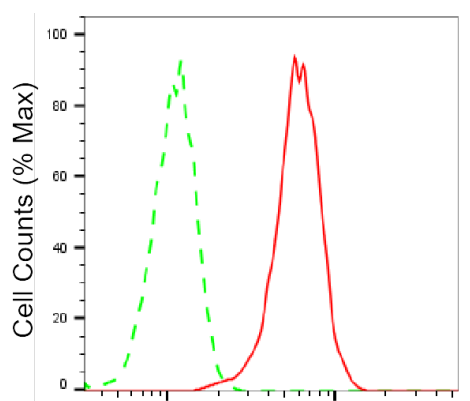
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Western blotting analysis using anti-protein tyrosine kinase 2 antibody (Cat#ABG1302). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-protein tyrosine kinase 2 antibody (Cat#ABG1302, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



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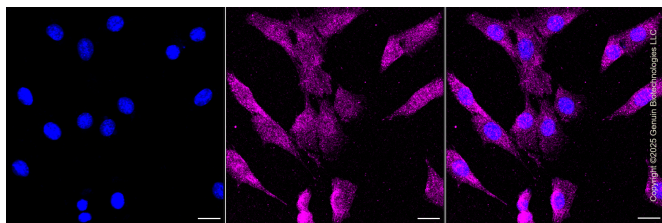
Western blotting analysis using anti-protein tyrosine kinase 2 antibody (Cat#ABG1302). Protein tyrosine kinase 2 expression in wild-type (WT) and protein tyrosine kinase 2 (PTK2) knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-protein tyrosine kinase 2 antibody (Cat#ABG1302, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Protein tyrosine kinase 2 expression in C2C12 cells using anti-Protein tyrosine kinase 2 antibody (Cat#ABG1302, 1:2,000). Green, isotype control; red, Protein tyrosine kinase 2.

Protein tyrosine kinase 2-Alexa Fluor® 647



Immunocytochemical staining of C2C12 cells with Protein tyrosine kinase 2 antibody (Cat#ABG1302, 1:1,000). Nuclei were stained blue with DAPI; Protein tyrosine kinase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.