

Datasheet for ABIN652554
anti-FAK antibody (C-Term)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	400 µL
Target:	FAK (PTK2)
Binding Specificity:	AA 821-848, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This PTK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 821-848 amino acids from the C-terminal region of human PTK2.
Clone:	RB20776
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	FAK (PTK2)
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Target Details

Alternative Name:	PTK2 (PTK2 Products)
Background:	PTK2 is 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. This protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies.
Molecular Weight:	119233
Gene ID:	5747
NCBI Accession:	NP_001186578 , NP_722560
UniProt:	Q05397
Pathways:	Response to Growth Hormone Stimulus , CXCR4-mediated Signaling Events , Smooth Muscle Cell Migration , Signaling of Hepatocyte Growth Factor Receptor , VEGF Signaling

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

Handling

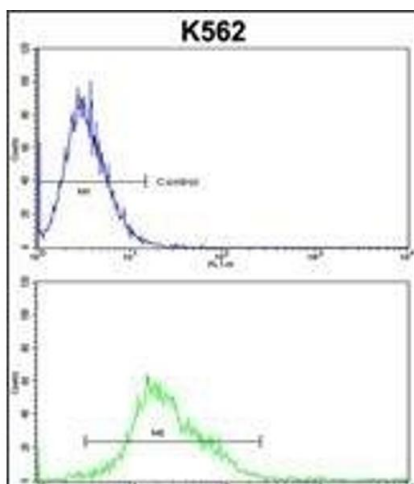
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Huang, Zhan, Cao, Li, Lyu, Guo, Zhang, Ji, Ren, An, Liu, Nie, Xing: "Increased mitochondrial fission promotes autophagy and hepatocellular carcinoma cell survival through the ROS-
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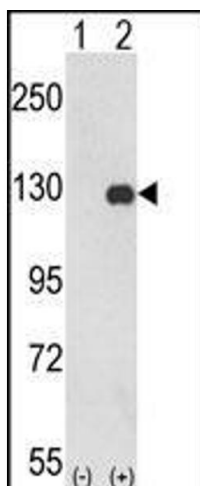
modulated coordinated regulation of the NFkB and TP53 pathways." in: **Autophagy**, Vol. 12, Issue 6, pp. 999-1014, (2017) ([PubMed](#)).

Images



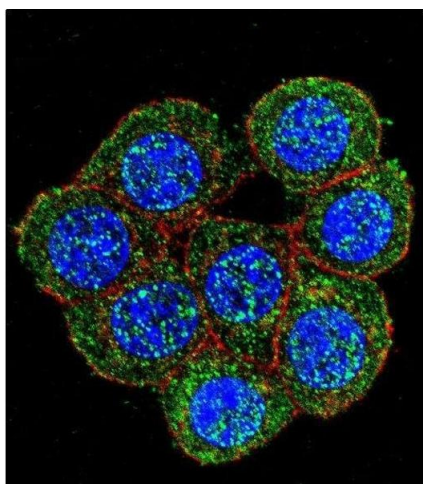
Flow Cytometry

Image 1. PTK2 Antibody (C-term) (ABIN652554 and ABIN2842372) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of PTK2 (arrow) using rabbit polyclonal PTK2 Antibody (C-term) (ABIN652554 and ABIN2842372). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PTK2 gene (Lane 2).



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of PTK2 Antibody (C-term) (ABIN652554 and ABIN2842372) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN652554.