

Rabbit PTK2 Monoclonal Antibody | anti-PTK2 antibody

PTK2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280793	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot

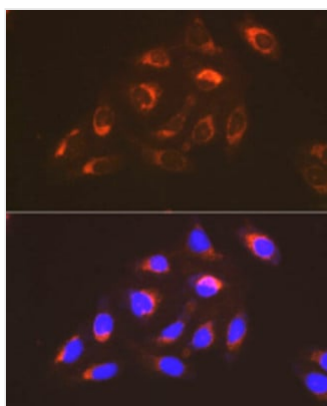
PRODUCT SYNONYMS

PTK2; Monoclonal Antibody; PTK2 Monoclonal Antibody; FADK; FAK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK; anti-PTK2 antibody

PRODUCT SPECIFICATIONS

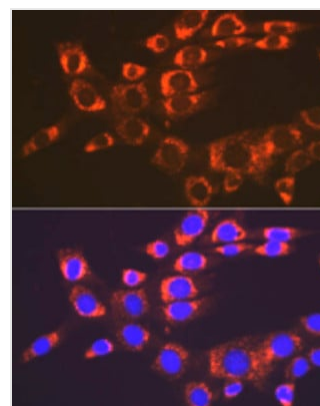
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	1052
Applicable Applications for anti-PTK2 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 700-800 of human FAK (Q05397).
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



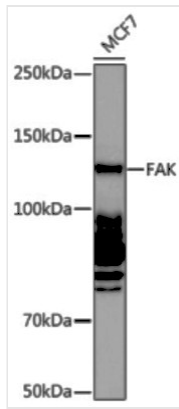
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using FAK antibody (AAA280793). Blue: DAPI for nuclear staining.



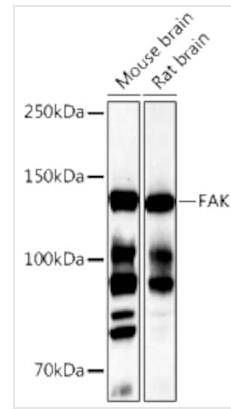
IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using FAK antibody (AAA280793). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of MCF7 cells, using FAK pAb (AAA280793) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25?g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using FAK pAb (AAA280793) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25?g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-PTK2 antibody	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.
Product Categories/Family for anti-PTK2 antibody	Primary antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	3183518
NCBI GeneID	5747
UniProt Accession #	Q05397; Q14291; Q8IYN9; Q9UD85; B4E2N6; F5H4S4; J3QT16
Molecular Weight	Observed MW: 125kDa Calculated MW: 119kDa
NCBI Official Full Name	Focal adhesion kinase 1
NCBI Official Synonym Full Names	protein tyrosine kinase 2
NCBI Official Symbol	PTK2
NCBI Official Synonym Symbols	FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK
NCBI Protein Information	focal adhesion kinase 1
UniProt Protein Name	Focal adhesion kinase 1
UniProt Gene Name	PTK2
UniProt Synonym Gene Names	FAK; FAK1; FADK 1; FRNK; PPP1R71

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ptk2-antibody-immunoprecipitation-immunofluorescence-immunohistochemistry-western-blot-elisa/280793>