

Datasheet for ABIN213412
anti-FAK antibody (Kinase Domain)



[Go to Product page](#)

2 Images

Overview

Quantity:	50 µg
Target:	FAK (PTK2)
Binding Specificity:	Kinase Domain
Reactivity:	Human, Mouse, Rat, Chicken, Monkey, Dog, Cow, Hamster, Bat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAK antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from kinase domain of human FAK. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Dog, Bovine, Bat, Hamster, Elephant, Turkey, Chicken, Lizard (100%), Rabbit, Xenopus, Zebrafish (94%), Platypus, Pufferfish (88%). Type of Immunogen: Synthetic peptide
Specificity:	Human FAK. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Dog, Bovine, Bat, Hamster, Elephant, Turkey, Chicken, Lizard (100%)

Product Details

Rabbit, Xenopus, Zebrafish (94%) Platypus, Pufferfish (88%).

Purification: Immunoaffinity purified

Target Details

Target: FAK (PTK2)

Alternative Name: FAK / Focal Adhesion Kinase ([PTK2 Products](#))

Background: Name/Gene ID: PTK2
Subfamily: Focal Adhesion Kinase
Family: Protein Kinase

Synonyms: PTK2, FADK, Fadk1, Focal adhesion kinase, FRNK, FADK 1, Focal adhesion kinase 1, FAK1, p125FAK, PPP1R71, Protein-tyrosine kinase 2, PTK2 protein tyrosine kinase 2, FAK, pp125 FA kinase, Pp125FAK

Gene ID: 5747

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: Approved: IHC, IHC-P (13 µg/mL)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 13 µg/mL.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

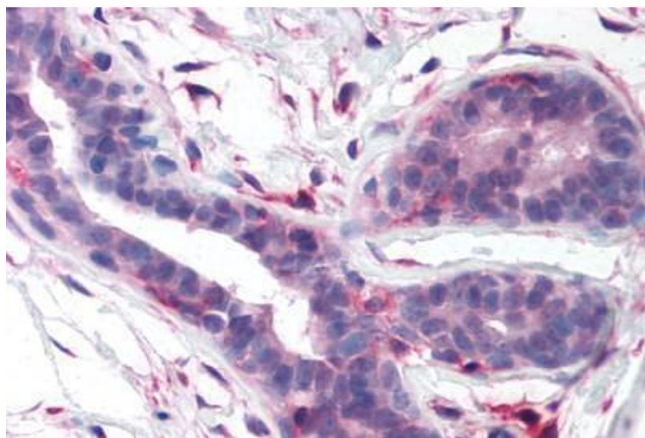
Handling

Format: Liquid

Handling

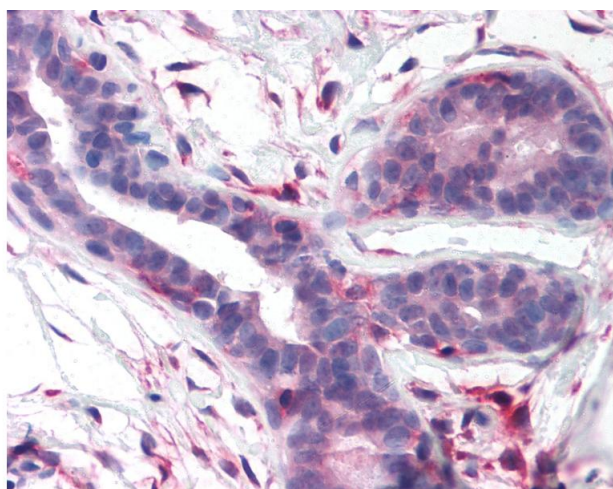
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Breast (formalin-fixed, paraffin-embedded) stained with PTK2 antibody ABIN213412 at 13 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-FAK antibody IHC of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.