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Anti-FAK Rabbit mAb [89G90]

Catalog No.: A52115

Basic Information

Catalog No. (Cat.No.)	A52115
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	FAK,FAK1,PTK1,pp125FAK,focal adhesion protein tyrosine kinase

Product Information

Target	FAK
Molecular Weight(Calculated)	119 kDa
Molecular Weight(Observed)	119 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	89G90
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:400-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Focal adhesion kinase
Gene Name	*PTK2*
Domain	NA
Background	FAK (Focal Adhesion Kinase) is a key non-receptor tyrosine kinase encoded by the PTK2 gene, functioning as a central signaling hub for cell adhesion, migration and extracellular matrix signal transduction. Ubiquitously expressed in various cells and enriched at focal adhesion sites, FAK responds to cell-extracellular matrix adhesion signals and activates downstream signaling cascades including PI3K, ERK and Src via autophosphorylation, regulating cell adhesion, migration, proliferation, survival, invasion and cytoskeletal remodeling. Aberrant FAK activation and overexpression disrupt cellular adhesion homeostasis, promote tumor invasion, metastasis, malignant proliferation and drug resistance, and participate in tissue fibrosis and inflammatory repair disorders, making it a promising target for tumor targeted therapy.