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Anti-FGFR1 Rabbit mAb [52C21]

Catalog No.: A52118

Basic Information

Catalog No. (Cat.No.)	A52118
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IP,IF,ELISA
Synonyms	FGFR1,BEK,CD328,CDw328,FGFBR,bFGF receptor,KGFR

Product Information

Target	FGFR1
Molecular Weight(Calculated)	91 kDa
Molecular Weight(Observed)	145 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	52C21
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	1:500-1:2000
IHC	1:100-1:200
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Fibroblast growth factor receptor-1
Gene Name	*FGFR1*
Domain	NA
Background	FGFR1 (Fibroblast Growth Factor Receptor 1) is an important isoform of the receptor tyrosine kinase family encoded by the FGFR1 gene, acting as a core transmembrane receptor of the FGF signaling pathway. Ubiquitously expressed in embryonic and adult tissues, FGFR1 binds fibroblast growth factors (FGFs) to activate intracellular tyrosine kinase domains and trigger downstream signaling cascades including Ras/MAPK and PI3K/Akt, regulating cell proliferation, differentiation, migration, angiogenesis, embryonic development and tissue repair. Aberrant FGFR1 amplification, mutation or sustained activation causes excessive pathway activation, driving tumor proliferation, invasion, angiogenesis, fibrosis and developmental malformations. It is a core therapeutic target for multiple solid tumors and proliferative diseases.