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Anti-RhoA Rabbit mAb [14E24]

Catalog No.: A52292

Basic Information

Catalog No. (Cat.No.)	A52292
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	RhoA,RhoA GTPase,RAS-related C3 botulinum toxin substrate

Product Information

Target	RhoA
Molecular Weight(Calculated)	21 kDa
Molecular Weight(Observed)	21 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	14E24
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	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	RhoA GTPase
Gene Name	*RHOA*
Domain	NA
Background	RHOA (RhoA, Ras-homolog family member A) belongs to Rho small-GTPase family acting as molecular switch for actin cytoskeleton remodeling, stress-fiber and focal-adhesion assembly, controlling cellular contraction, migration and invasion. GTP-bound active RhoA localizes at inner plasma membrane and activates downstream effectors such as ROCK, promoting myosin phosphorylation, stress-fiber formation and cell contractility. GDP-loaded RhoA resides in cytosol in inactive state. Its cycling is tightly controlled by GEF, GAP and GDI proteins; GPCR and extracellular-matrix cues trigger RhoA activation. Hyper-activated RhoA fuels tumor migration and invasion.