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Anti-Rab5A Rabbit mAb [11B14]

Catalog No.: A52286

Basic Information

Catalog No. (Cat.No.)	A52286
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Rab5A,RAB5A,RAS-like protein

Product Information

Target	Rab5A
Molecular Weight(Calculated)	24 kDa
Molecular Weight(Observed)	24 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	11B14
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	1:1000-1:4000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	RAB5A, member RAS oncogene family
Gene Name	*RAB5A*
Domain	NA
Background	RAB5A (Ras-related protein Rab-5A) belongs to Rab small-GTPase family and orchestrates early-endosome biogenesis, endocytic trafficking and endosomal membrane fusion. Acting as molecular switch, GTP-bound active Rab5A localizes on early-endosome membrane, recruits downstream effectors and drives fusion between endocytic vesicles and early endosomes. It governs cargo sorting, receptor degradation and recycling, and modulates growth-factor-receptor endocytosis. GDP-loaded Rab5A resides within cytosol. Dysregulated Rab5A perturbs endocytic routes, alters receptor turnover and contributes to tumor-cell migration.