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Anti-Rab7 Rabbit mAb [02D12]

Catalog No.: A52287

Basic Information

Catalog No. (Cat.No.)	A52287
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Rab7,RAB7A,RAS-like protein

Product Information

Target	Rab7
Molecular Weight(Calculated)	24 kDa
Molecular Weight(Observed)	24 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	02D12
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	RAB7A, member RAS oncogene family
Gene Name	*RAB7A*
Domain	NA
Background	RAB7A (Rab7, Ras-related protein Rab-7A) belongs to Rab small-GTPase family controlling late-endosome maturation, late-endosome-lysosome fusion and degradative trafficking. As signature GTPase for late endosomes, GTP-charged Rab7 localizes to late-endosome membrane, drives early-to-late endosome conversion, recruits effectors and promotes late-endosome-lysosome fusion for cargo degradation. It also supports autolysosome biogenesis and participates in nutrient handling, receptor turnover and selective autophagy. Loss-of-function Rab7 blocks endo-lysosomal flux and contributes to neurodegeneration.