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Anti-β-Galactosidase Rabbit mAb [14A92]

Catalog No.: A52125

Basic Information

Catalog No. (Cat.No.)	A52125
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	β-Galactosidase,lacZ,beta-Gal,β-galactosidase (reporter enzyme,no specific gene symbol)

Product Information

Target	β-Galactosidase
Molecular Weight(Calculated)	76 kDa
Molecular Weight(Observed)	100 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	14A92
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	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Beta-galactosidase
Gene Name	*NA*
Domain	NA
Background	β-Galactosidase is a key hydrolase belonging to the glycoside hydrolase family, widely present in human tissues and cells. It coregulates cellular glucose metabolism, lysosomal degradation, cell senescence and organelle homeostasis. This enzyme specifically hydrolyzes β-galactoside bonds and decomposes lactose and glycoside complexes to supply energy for cell metabolism, and serves as a classic biomarker of cellular senescence, participating in the recognition and clearance of senescent cells. Its activity is significantly upregulated and abnormally accumulated in senescent, damaged and cancerous cells.