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Anti-FXR1 Rabbit mAb [63F54]

Catalog No.: A52124

Basic Information

Catalog No. (Cat.No.)	A52124
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	FXR1,FMR2,FRAXE,p150,fragile X-related protein

Product Information

Target	FXR1
Molecular Weight(Calculated)	70 kDa
Molecular Weight(Observed)	70-84 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	63F54
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	Fragile X-related protein-1
Gene Name	*FXR1*
Domain	NA
Background	FXR1 (Fragile X Mental Retardation-Related Protein 1) is an important member of the RNA-binding protein family, widely expressed in the nervous system, muscle tissues and germ cells. It is mainly involved in post-transcriptional RNA regulation, cell proliferation and differentiation, neural development and muscle homeostasis maintenance. By binding to target RNA, FXR1 regulates mRNA splicing, translation and stability, and participates in key physiological processes such as nerve cell maturation and muscle cell differentiation. Abnormal expression or mutation of FXR1 disrupts RNA metabolic balance, leads to abnormal neural development and muscle dysplasia, and drives the proliferation, invasion and metastasis of tumor cells, with aberrant overexpression in lung cancer, gastric cancer and other tumors.