Ablumir
Built Around Immunology

Anti-FOXO3A (phospho Ser253) Rabbit mAb [87G30]

Catalog No.: A52122

Basic Information

Catalog No. (Cat.No.)	A52122
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	FOXO3A (phospho Ser253),p-FOXO3A(Ser253),FKHRL1,FOXO3A,p-FOXO3(S253)

Product Information

Target	FOXO3A (phospho Ser253)
Molecular Weight(Calculated)	71 kDa
Molecular Weight(Observed)	97 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	87G30
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

Ablumir
Built Around Immunology

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	FOXO3A (phospho Ser253)
Gene Name	*FOXO3*
Domain	NA
Background	Phosphorylated FOXO3A (Ser253) is an active modified form of Forkhead Box Protein O3A, belonging to the forkhead box protein family and widely existing in human tissue cells. It coregulates cell apoptosis, oxidative stress, aging process and tumor progression. Phosphorylation modification at the Ser253 site of FOXO3A is a key mechanism for its functional activation, which mediates the transcriptional expression of downstream antioxidant and pro-apoptotic genes, eliminating intracellular oxidative damage and inhibiting abnormal cell proliferation. Excessive or deficient phosphorylation at this site causes FOXO3A functional disorder, blocking cell apoptosis, accumulating oxidative stress and accelerating cell senescence, ultimately promoting the progression of ovarian cancer, lung cancer and degenerative diseases.