Ablumir
Built Around Immunology

Anti-Nanog Rabbit mAb [05F76]

Catalog No.: A52229

Basic Information

Catalog No. (Cat.No.)	A52229
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Synonyms	Nanog,NANOG homeobox,PGC-4

Product Information

Target	Nanog
Molecular Weight(Calculated)	42 kDa
Molecular Weight(Observed)	42 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	05F76
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	Homeobox protein NANOG
Gene Name	*NANOG*
Domain	NA
Background	Nanog (Homeobox transcription factor Nanog) is a homeobox transcription-factor family protein maintaining pluripotency and repressing differentiation in stem cells. Predominantly expressed in embryonic stem cells and iPSCs, Nanog cooperates with Oct4 and Sox2 to form core pluripotency circuitry. It binds target promoters to activate stemness genes and silence differentiation programs. Its expression level dictates pluripotent status: high Nanog preserves undifferentiated state, while its down-regulation triggers germ-layer differentiation. It is barely detectable in most adult tissues but re-activated in cancer stem cells to drive self-renewal, invasion and metastasis.