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Anti-Oct-2 Rabbit mAb [38D49]

Catalog No.: A52249

Basic Information

Catalog No. (Cat.No.)	A52249
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Oct-2,OCT2; OTF-2; OTF2; NF-A2; Oct2a; Oct2b; Octamer-binding protein 2; Octamer-binding transcription factor 2; Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2; POU2F2

Product Information

Target	Oct-2
Molecular Weight(Calculated)	51 kDa
Molecular Weight(Observed)	65 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	38D49
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	1:2000-1:10000
IHC	1:400-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Octamer-binding transcription factor-2
Gene Name	*POU2F2*
Domain	NA
Background	POU2F2 (Oct-2, POU class 2 homeobox 2) belongs to POU homeobox transcription factor family and governs B-lymphocyte development and immune-gene transcription. Predominantly expressed throughout B-cell lineage from pro-B cell to plasma cell, Oct-2 binds promoters and enhancers of immunoglobulin genes to promote antibody-related transcription. Cooperating with co-activator OCA-B, it controls immunoglobulin heavy- and light-chain expression, supporting B-cell differentiation, class-switch recombination and plasma-cell antibody secretion. It also participates in neuronal transcriptional regulation. Oct-2 ablation causes B-cell developmental arrest and humoral immunodeficiency. Aberrant overexpression of Oct-2 occurs in B-cell lymphoma and serves as pathological biomarker.