

Oct-2 (PT0120R) rabbit mAb

Catalog No :	YM7177
Reactivity :	Human; Mouse;
Applications :	IHC;WB; ELISA
Target :	Oct-2
Fields :	>>Herpes simplex virus 1 infection;>>Lipid and atherosclerosis
Gene Name :	POU2F2
Protein Name :	Oct-2
Human Gene Id :	5452
Human Swiss Prot No :	P09086
Immunogen :	Synthesized peptide derived from human Oct-2 AA range:250-350
Specificity :	This antibody detects endogenous levels of Oct-2
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	51kD
Background :	The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTTCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different

isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

Function :

function:Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-3'). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression. Modulates transcription transactivation by NR3C1, AR and PGR. Isoform 5 activates the U2 small nuclear RNA (snRNA) promoter.,similarity:Belongs to the POU transcription factor family. Class-2 subfamily.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 1 POU-specific domain.,subunit:Interacts with NR3C1, AR and PGR.,tissue specificity:Isoform 3 is B-cell specific. Isoform 5 is expressed in B-cells and the immunoglobulin-expressing T-cell line Molt-4, but not in the T-cell line BW 5147.,

Subcellular Location :

Nuclear

Expression :

Isoform 3 is B-cell specific. Isoform 5 is expressed in B-cells and the immunoglobulin-expressing T-cell line MOLT-4, but not in the T-cell line BW5147.

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