

**Oct-2 (PT0120R) rabbit mAb**

<b>Catalog No :</b>	YM7177
<b>Reactivity :</b>	Human; Mouse;
<b>Applications :</b>	IHC;WB; ELISA
<b>Target :</b>	Oct-2
<b>Fields :</b>	>>Herpes simplex virus 1 infection;>>Lipid and atherosclerosis
<b>Gene Name :</b>	POU2F2
<b>Protein Name :</b>	Oct-2
<b>Human Gene Id :</b>	5452
<b>Human Swiss Prot No :</b>	P09086
<b>Immunogen :</b>	Synthesized peptide derived from human Oct-2 AA range:250-350
<b>Specificity :</b>	This antibody detects endogenous levels of Oct-2
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, Rabbit IgG1, Kappa
<b>Dilution :</b>	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	51kD
<b>Background :</b>	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. \[provided by RefSeq, Oct 2011\],](#)

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**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.,

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**Subcellular Location :**

Nuclear

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**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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