

## Oct-2 Polyclonal Antibody

<b>Catalog No :</b>	YT3231
<b>Reactivity :</b>	Human;Mouse;Monkey
<b>Applications :</b>	WB;IHC;IF;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>	POU domain class 2 transcription factor 2
<b>Human Gene Id :</b>	5452
<b>Human Swiss Prot No :</b>	P09086
<b>Mouse Gene Id :</b>	18987
<b>Mouse Swiss Prot No :</b>	Q00196
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human OCT2. AA range:1-50
<b>Specificity :</b>	Oct-2 Polyclonal Antibody detects endogenous levels of 40818 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

**Observed Band :** 52kD

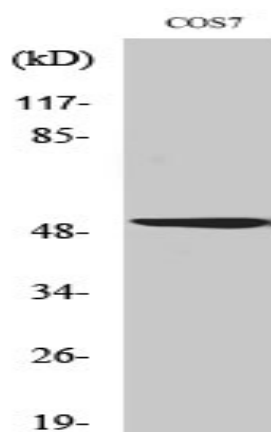
**Background :** The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTTGCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different 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.,

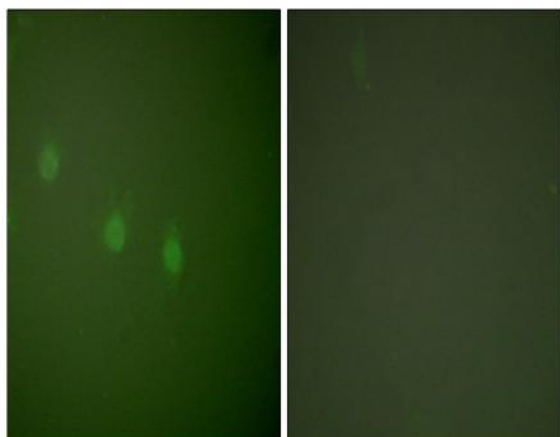
**Subcellular Location :** Cytoplasm . Nucleus.

**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.

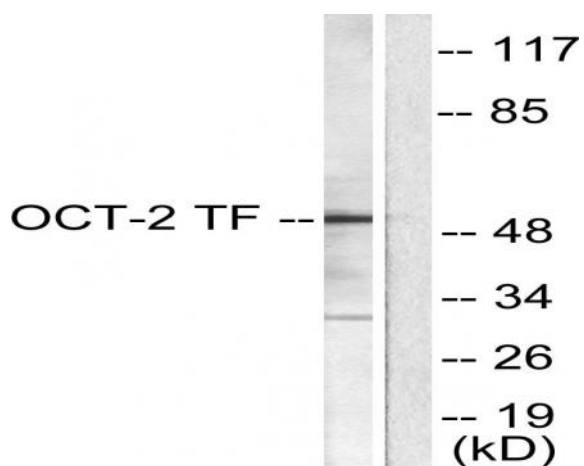
## Products Images



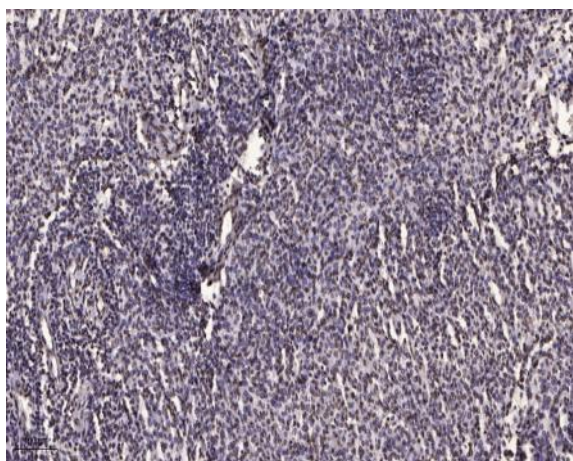
Western Blot analysis of various cells using Oct-2 Polyclonal Antibody



Immunofluorescence analysis of COS7 cells, using OCT2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using OCT2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human brain tumor. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).