



Oct-2 Rabbit mAb (Ready to Use)

Catalog No	YP-rAb-18258
Isotype	IgG
Reactivity	Human,Mouse
Applications	IHC
Gene Name	POU2F2
Protein Name	Oct-2
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of Oct-2
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source	Monoclonal, Rabbit,IgG
Dilution	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	2° C to 8° C/1 year,Ship by ice bag
Synonyms	class 2 ; Lymphoid restricted immunoglobulin octamer binding protein ; Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2 ; NF A2 ; Oct 2 ; Oct-2 ; Octamer binding transcription factor 2 ; Octamer-binding protein 2 ; Octamer-binding transcription factor 2 ; OTF-2 ; OTF2 ; PO2F2_HUMAN ; POU domain ; POU domain class 2 transcription factor 2 ; POU2F2 ; transcription factor 2
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nuclear
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 BW5147.
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.,

Background

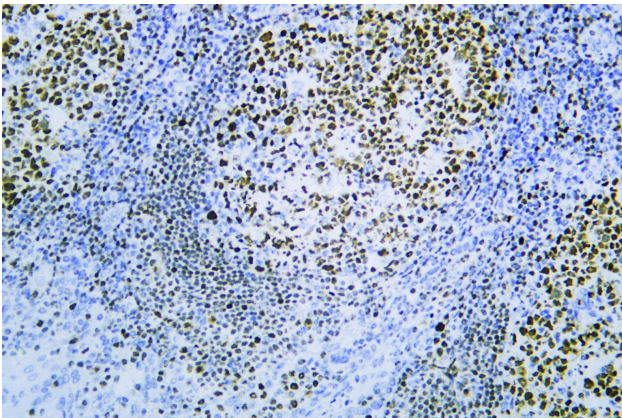
The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTTGCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

matters needing attention

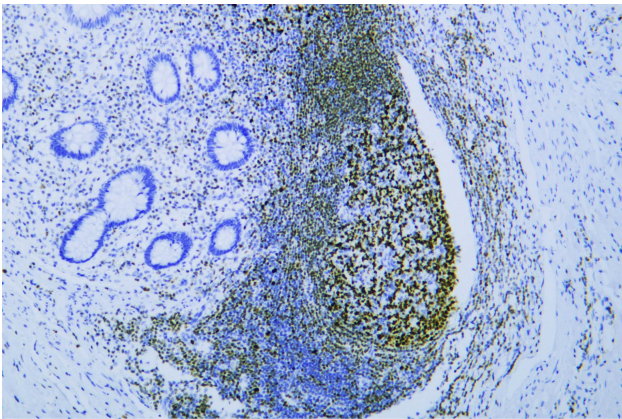
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Human tonsil was stained with anti-Oct-2 rabbit mAb



Human appendix was stained with anti-Oct-2 rabbit mAb

