



Oct-2 Rabbit mAb

Catalog No	YP-rAb-17713
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	POU2F2 OCT2 OTF2
Protein Name	Oct-2
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:400-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	POU domain, class 2, transcription factor 2 ; Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2 ; Octamer-binding protein 2 ; Oct-2 ; Octamer-binding transcription factor 2 ; OTF-2 ;
Observed Band	65kD
Calculated Molecular Weight	51kD
Cell Pathway	Nucleus
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

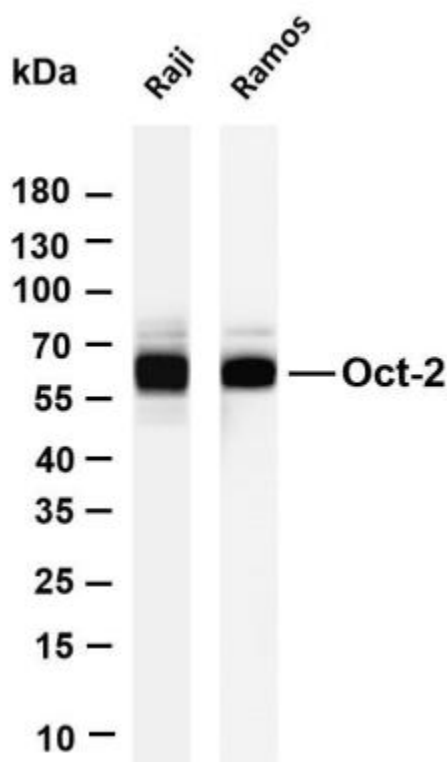
The protein encoded by this gene is a homeobox-containing transcription factor of the POU domain family. The encoded protein binds the octamer sequence 5'-ATTTGCAT-3', a common transcription factor binding site in immunoglobulin gene promoters. Several transcript variants encoding different isoforms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

matters needing attention

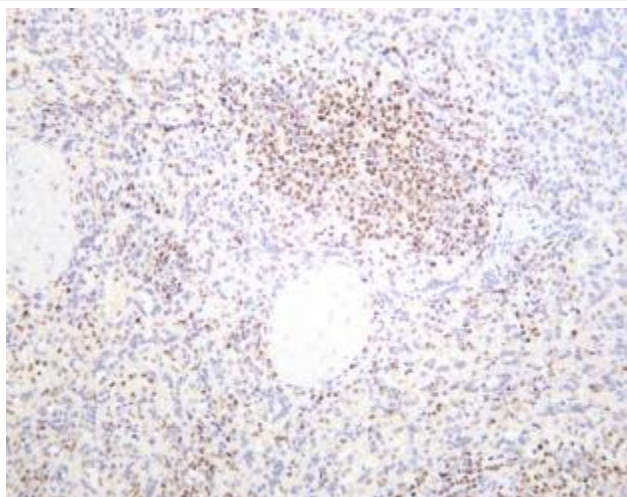
Avoid repeated freezing and thawing!

Usage suggestions

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

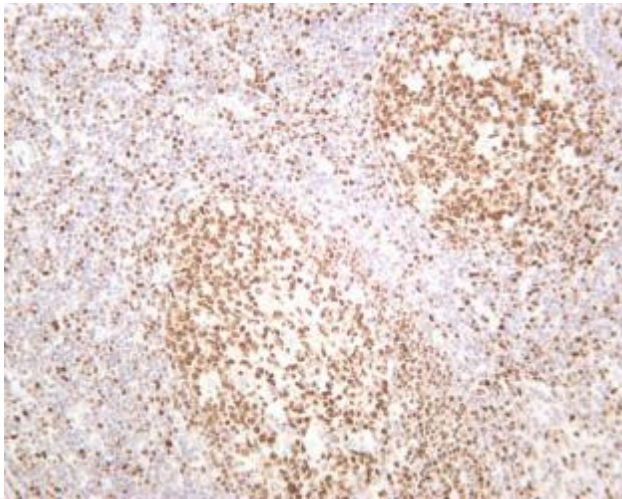


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Oct-2 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Raji Lane 2: Ramos Predicted band size: 51kDa Observed band size: 65kDa

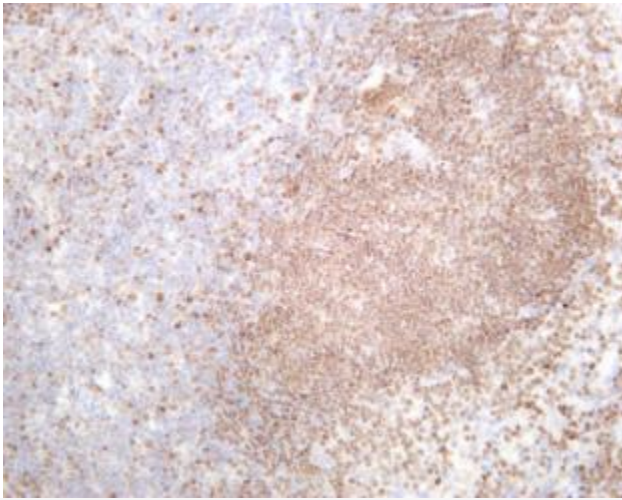


Human spleen was stained with anti-Oct-2 rabbit antibody

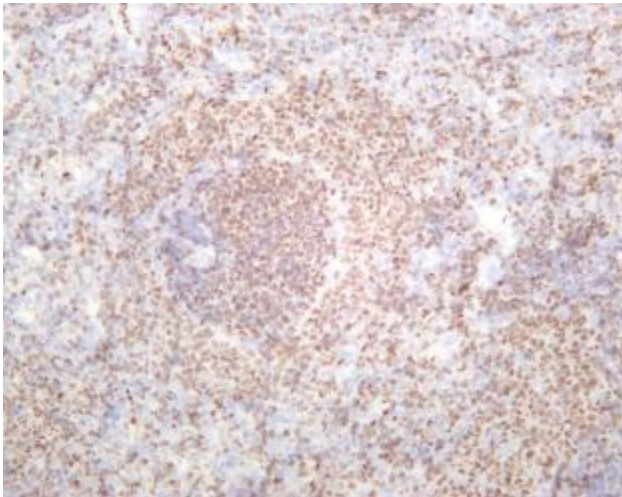




Human tonsil was stained with anti-Oct-2 rabbit antibody



Mouse spleen was stained with anti-Oct-2 rabbit antibody



Rat spleen was stained with anti-Oct-2 rabbit antibody

