



Oct-2 Monoclonal Antibody

Catalog No	YP-mAb-15788
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	POU2F2
Immunogen	The antiserum was produced against synthesized peptide derived from human OCT2. AA range:1-50
Specificity	Oct-2 Monoclonal Antibody detects endogenous levels of 40818 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	OCT2;OTF2;Oct-2;POU2F2;45201;POU domain class 2 transcription factor 2; POU domain;class 2;transcription factor 2;Lymphoid-restricted immunoglobulin octamer-binding protein NF-A2;Octamer-binding protein 2;Octamer-binding transcription factor 2;OTF-2; transcription factor 2
Observed Band	52kD
Calculated Molecular Weight	52kD
Cell Pathway	Cytoplasm . 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	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



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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'-ATTGTCAT-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],

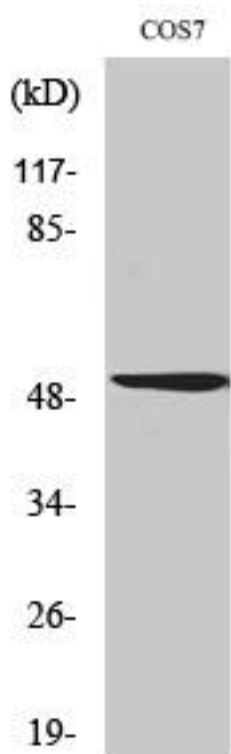
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



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