

OCT2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51440

Product Information

Application	WB, ICC, IHC-P
Primary Accession	P09086
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51209

Additional Information

Gene ID	5452
Other Names	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, POU2F2, OCT2, OTF2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human 41914. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	POU2F2 (HGNC:9213)
Synonyms	OCT2, OTF2
Function	Transcription factor that specifically binds to the octamer motif (5'-ATTGTCAT-3') (PubMed: 2904654 , PubMed: 7859290). Regulates IL6 expression in B cells with POU2AF1 (By similarity). Regulates transcription in a number of tissues in addition to activating immunoglobulin gene expression (PubMed: 2901913 , PubMed: 2904654). Modulates transcription transactivation by NR3C1, AR and PGR (PubMed: 10480874).
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	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.

Background

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.

References

- Clerc R.G.,et al.Genes Dev. 2:1570-1581(1988).
Scheidereit C.,et al.Nature 336:551-557(1988).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Mueller M.M.,et al.Nature 336:544-551(1988).
Muller-Immergluck M.M.,et al.EMBO J. 9:1625-1634(1990).

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