

POU2F2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13842a

Product Information

Application	WB, IHC-P, E
Primary Accession	P09086
Other Accession	Q29013 , Q00196 , NP_002689.1
Reactivity	Human
Predicted	Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33756
Calculated MW	51209
Antigen Region	10-39

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	This POU2F2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-39 amino acids from the N-terminal region of human POU2F2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	POU2F2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

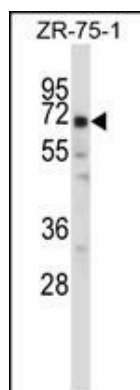
Background

POU2F2 is a transcription factor that specifically binds to the octamer motif (5'-ATTGTCAT-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.

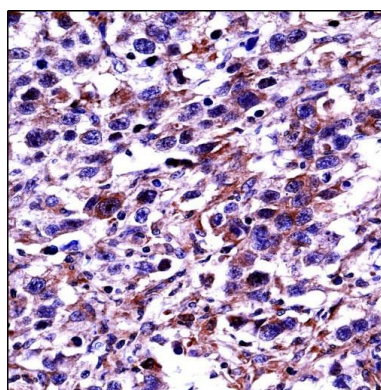
References

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Images



POU2F2 Antibody (N-term) (Cat. #AP13842a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the POU2F2 antibody detected the POU2F2 protein (arrow).



POU2F2 Antibody (N-term) (AP13842a) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of POU2F2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.