

POU2F2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13842a

Specification

POU2F2 Antibody (N-term) - 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
Calculated MW	51209
Antigen Region	10-39

POU2F2 Antibody (N-term) - 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~~1:10~50

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.

POU2F2 Antibody (N-term) - Protein Information

Name POU2F2 ([HGNC:9213](#))

Synonyms OCT2, OTF2

Function Transcription factor that specifically binds to the octamer motif (5'-ATTTGCAT-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

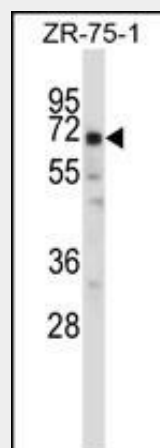
Isoform 3 is B-cell specific. Isoform 5 is expressed in B-cells and the immunoglobulin-expressing T-cell line MOLT-4, but not in the T-cell line BW5147.

POU2F2 Antibody (N-term) - Protocols

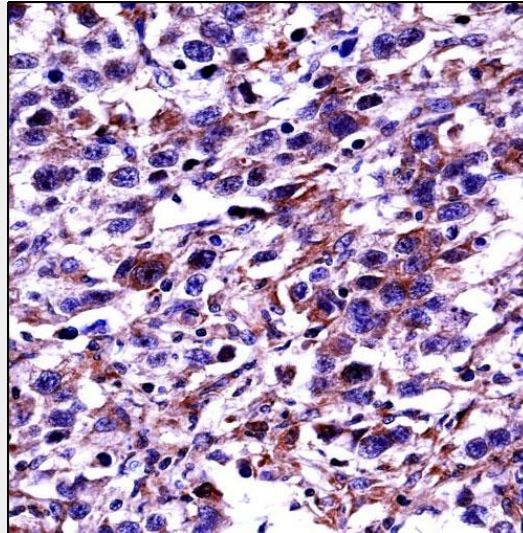
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

POU2F2 Antibody (N-term) - 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.

POU2F2 Antibody (N-term) - Background

POU2F2 is a 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.

POU2F2 Antibody (N-term) - References

Galetti, M., et al. *Biochem. Pharmacol.* 80(2):179-187(2010)
Bailey, S.D., et al. *Diabetes Care* (2010) In press :
Advani, A.S., et al. *Leuk. Lymphoma* 51(4):606-612(2010)
Talmud, P.J., et al. *Am. J. Hum. Genet.* 85(5):628-642(2009)
Filipski, K.K., et al. *Clin. Pharmacol. Ther.* 86(4):396-402(2009)