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POU2F1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11702c

Specification

POU2F1 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P14859
Other Accession	P16143, P31503, Q29076, P25425, P15143, NP_002688.2
Reactivity	**Human**
Predicted	**Chicken, Mouse, Pig, Rat, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**76472**
Antigen Region	**364-391**

POU2F1 Antibody (Center) - Additional Information

Gene ID 5451

Other Names
POU domain, class 2, transcription factor 1, NF-A1, Octamer-binding protein 1, Oct-1, Octamer-binding transcription factor 1, OTF-1, POU2F1, OCT1, OTF1

Target/Specificity
This POU2F1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 364-391 amino acids from the Central region of human POU2F1.

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
POU2F1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

POU2F1 Antibody (Center) - Protein Information

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Name POU2F1

Synonyms OCT1, OTF1

Function Transcription factor that binds to the octamer motif (5'- ATTTGCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins. Modulates transcription transactivation by NR3C1, AR and PGR.

Cellular Location
Nucleus.

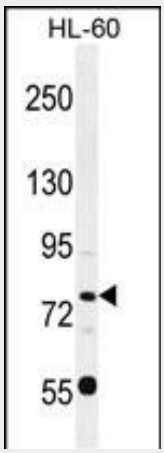
Tissue Location
Ubiquitous. Isoform 2 is lymphocyte-specific.

POU2F1 Antibody (Center) - Protocols

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

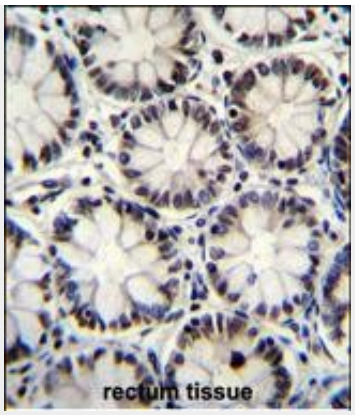
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

POU2F1 Antibody (Center) - Images



POU2F1 Antibody (Center) (Cat. #AP11702c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the POU2F1 antibody detected the POU2F1 protein (arrow).

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POU2F1 Antibody (Center) (Cat. #AP11702c)immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of POU2F1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

POU2F1 Antibody (Center) - Background

The OCT1 transcription factor was among the first identified members of the POU transcription factor family (summarized by Sturm et al., 1993 [PubMed 8314572]). Members of this family contain the POU domain, a 160-amino acid region necessary for DNA binding to the octameric sequence ATGCAAAT.

POU2F1 Antibody (Center) - References

Vuzman, D., et al. Biophys. J. 99(4):1202-1211(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Laurent, B., et al. Blood 115(3):687-695(2010)
Becker, M.L., et al. Pharmacogenet. Genomics 20(1):38-44(2010)