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POU2AF1 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AM2243b

Specification

POU2AF1 Antibody - Product Information

Application	**WB,E**
Primary Accession	Q16633
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,κ**
Calculated MW	**27436**

POU2AF1 Antibody - Additional Information

Gene ID 5450

Other Names
POU domain class 2-associating factor 1, B-cell-specific coactivator OBF-1, BOB-1, OCA-B, OCT-binding factor 1, POU2AF1, OBF1

Target/Specificity
Purified His-tagged POU2AF1 protein was used to produced this monoclonal antibody.

Dilution
WB~~1:4000

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

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
POU2AF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

POU2AF1 Antibody - Protein Information

Name POU2AF1 (HGNC:9211)

Function Transcriptional coactivator that specifically associates with either POU2F1/OCT1 or POU2F2/OCT2 (PubMed:7859290). It boosts the POU2F1/OCT1 mediated promoter activity and to a lesser extent, that of POU2F2/OCT2 (PubMed:7779176). It recognizes the POU domains of POU2F1/OCT1 and POU2F2/OCT2 (PubMed:7779176). It is essential for the response of B-cells to antigens and required for the formation of germinal centers (PubMed:7623806, PubMed:7859290).

Regulates IL6 expression in B cells as POU2F2/OCT2 coactivator (By similarity).

Cellular Location
Nucleus.

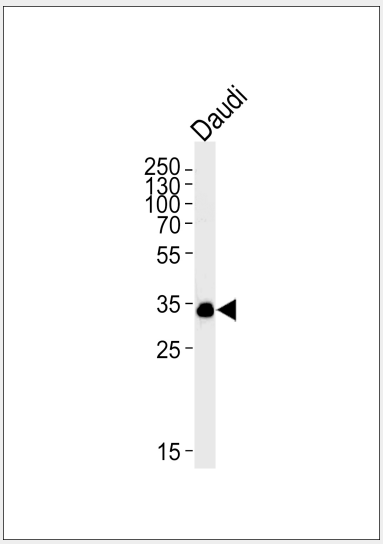
Tissue Location
B-cell specific (PubMed:7779176, PubMed:7859290). Detected in mainly in spleen, but also in thymus, periphral blood leukocyte and small intestine (PubMed:7779176, PubMed:7859290)

POU2AF1 Antibody - 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

POU2AF1 Antibody - Images



POU2AF1 Antibody (Cat. #AM2243b) western blot analysis in Daudi cell line lysates (35µg/lane).This demonstrates the POU2AF1 antibody detected the POU2AF1 protein (arrow).

POU2AF1 Antibody - Background

Transcriptional coactivator that specifically associates with either OCT1 or OCT2. It boosts the OCT1 mediated promoter activity and to a lesser extent, that of OCT2. It has no intrinsic DNA-binding activity. It recognizes the POU domains of OCT1 and OCT2. It is essential for the response of B-cells to antigens and required for the formation of germinal centers.

POU2AF1 Antibody - References

Strubin M., et al. Cell 80:497-506(1995).

Gstaiger M., et al. Nature 373:360-362(1995).
Galiegue-Zouitina S., et al. C. R. Acad. Sci. III, Sci. Vie 318:1125-1131(1995).
Luo Y., et al. Mol. Cell. Biol. 15:4115-4124(1995).
Ota T., et al. Nat. Genet. 36:40-45(2004).