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POU2AF1 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM2243b

Product Information

Application	WB, E
Primary Accession	Q16633
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,κ
Clone Names	1170CT1.1.1
Calculated MW	27436

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 E~~Use at an assay dependent concentration.
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.

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)

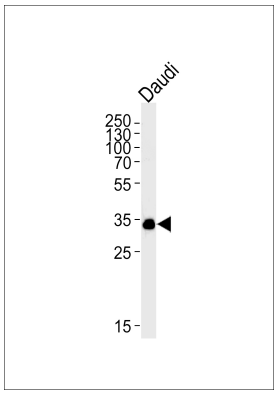
Background

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.

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).

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).

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