

# **Bob 1 Polyclonal Antibody**

**Catalog # AP74165** 

# **Specification**

# **Bob 1 Polyclonal Antibody - Product Information**

Application IHC-P
Primary Accession Q16633
Reactivity Human
Host Rabbit
Clonality Polyclonal

# **Bob 1 Polyclonal 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)

#### **Dilution**

IHC-P~~N/A

#### **Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

# **Storage Conditions**

-20°C

#### **Bob 1 Polyclonal Antibody - Protein Information**

# Name POU2AF1 (HGNC:9211)

# **Function**

Transcriptional coactivator that specifically associates with either POU2F1/OCT1 or POU2F2/OCT2 (PubMed:<a href="http://www.uniprot.org/citations/7859290" target="\_blank">7859290</a>). It boosts the POU2F1/OCT1 mediated promoter activity and to a lesser extent, that of POU2F2/OCT2 (PubMed:<a href="http://www.uniprot.org/citations/7779176" target="\_blank">7779176</a>). It recognizes the POU domains of POU2F1/OCT1 and POU2F2/OCT2 (PubMed:<a href="http://www.uniprot.org/citations/7779176" target="\_blank">7779176</a>). It is essential for the response of B-cells to antigens and required for the formation of germinal centers (PubMed:<a href="http://www.uniprot.org/citations/7623806" target="\_blank">7623806</a>, PubMed:<a href="http://www.uniprot.org/citations/7859290" target="\_blank">7859290</a>). Regulates IL6 expression in B cells as POU2F2/OCT2 coactivator (By similarity).

# **Cellular Location** Nucleus.

**Tissue Location** 



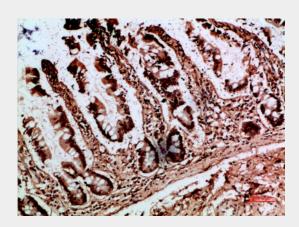
B-cell specific (PubMed:7779176, PubMed:7859290). Detected in mainly in spleen, but also in thymus, periphral blood leukocyte and small intestine (PubMed:7779176, PubMed:7859290)

# **Bob 1 Polyclonal Antibody - Protocols**

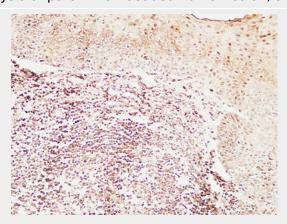
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **Bob 1 Polyclonal Antibody - Images**

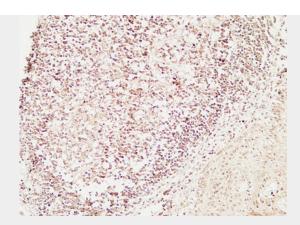


Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:200

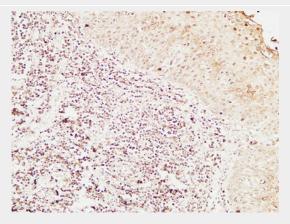


Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at 1:200(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).





Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at 1:200(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at 1:200(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human spleen. 1, Antibody was diluted at 1:200(4°,overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

# **Bob 1 Polyclonal 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.