

# Oct4

Rabbit Monoclonal antibody(Mab)
Catalog # AD80043

#### **Product Information**

Application IHC-P
Primary Accession Q01860
Reactivity Human
Host Rabbit
Clonality Monoclonal
Clone Names 621B9F5
Calculated MW 38571

#### **Additional Information**

**Gene ID** 5460 **Gene Name** POU5F1

Other Names POU domain, class 5, transcription factor 1, Octamer-binding protein 3, Oct-3,

Octamer-binding protein 4, Oct-4, Octamer-binding transcription factor 3,

OTF-3, POU5F1, OCT3, OCT4, OTF3

**Dilution** IHC-P~~Ready-to-use

**Storage** Maintain refrigerated at 2-8°C.

**Precautions** Oct4 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

#### **Protein Information**

Name POU5F1

**Synonyms** OCT3, OCT4, OTF3

**Function** Transcription factor that binds to the octamer motif (5'- ATTTGCAT-3'). Forms

a trimeric complex with SOX2 or SOX15 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. Critical for early embryogenesis and for embryonic stem

cell pluripotency.

**Cellular Location** Cytoplasm. Nucleus. Note=Expressed in a diffuse and slightly punctuate

pattern. Colocalizes with MAPK8 and MAPK9 in the nucleus.

{ECO:0000250 | UniProtKB:P20263, ECO:0000269 | PubMed:18191611, ECO:0000269 | PubMed:19274063, ECO:0000269 | PubMed:23024368}

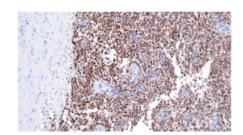
**Tissue Location** Expressed in developing brain. Highest levels found in specific cell layers of

the cortex, the olfactory bulb, the hippocampus and the cerebellum. Low

levels of expression in adult tissues.

### **Images**

## 精原细胞瘤



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