

**Oct-4 Rabbit mAb**  
Catalog # AP78977

**Specification**

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**Oct-4 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q01860</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>38571</b>

**Oct-4 Rabbit mAb - Additional Information**

**Gene ID** 5460

**Other Names**  
POU5F1

**Dilution**  
WB~~1/500-1/1000

**Format**  
Liquid

**Oct-4 Rabbit mAb - 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.

## Oct-4 Rabbit mAb - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Oct-4 Rabbit mAb - Images

