

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

Oct-4 Rabbit mAb - Product Information

Application	WB, IHC-P, IP, ICC
Primary Accession	Q01860
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	38571

Oct-4 Rabbit mAb - Additional Information**Gene ID** 5460**Other Names**
POU5F1**Dilution**
WB~~1/500-1/1000
IHC-P~~N/A
IP~~N/A
ICC~~N/A**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

