

Product Name: Oct-4 Rabbit Monoclonal Antibody
Catalog #: AMRe21385



Summary

| | |
|------------------------|----------------------------------|
| Production Name | Oct-4 Rabbit Monoclonal Antibody |
| Description | Rabbit Monoclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC,IF,IP,ELISA |
| Reactivity | Human,Mouse |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG,Kappa |
| Clonality | Monoclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protective protein |
| Purification | Protein A |

Immunogen

| | |
|--------------------------|--|
| Gene Name | POU5F1 POU5F1;OCT3;OCT4;OTF3;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 |
| Alternative Names | |
| Gene ID | 5460 |
| SwissProt ID | Q01860. |

Application

| | |
|-------------------------|---|
| Dilution Ratio | IHC 1:1000-1:5000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200; |
| Molecular Weight | Calculated MW:39kD;Observed MW:45kD |

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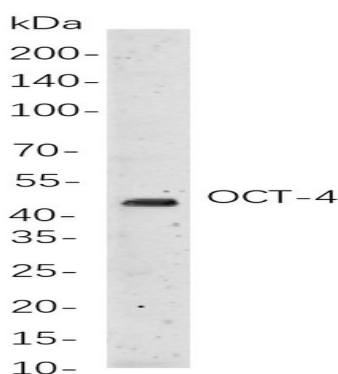


Background

Cell localization:Nucleus.This gene encodes a transcription factor containing a POU homeodomain that plays a key role in embryonic development and stem cell pluripotency. Aberrant expression of this gene in adult tissues is associated with tumorigenesis. This gene can participate in a translocation withThe Ewing's sarcoma gene on chromosome 21, which also leads to tumor formation. Alternative splicing, as well as usage of alternative AUG and non-AUG translation initiation codons, results in multiple isoforms. One ofThe AUG start codons is polymorphic in human populations. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12. [provided by RefSeq, Oct 2013],

Research Area

Image Data



Western blot analysis of lysates from NCCIT

cells, using 45569 Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.

Note

For research use only.