

OCT34 Recombinant antibody

Cat:B32179R
Company: Haokebio

Uniprot ID:Q01860

Applications: IHC:1:100-1:200

Organism:Rabbit

IHC-Polymer:1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Background:

OCT-3/4 (also known as Oct4 or POU5F1) is a member of the POU transcription factor family. It is located on chromosome 6p21.31 and is strongly expressed in undifferentiated embryonic stem cells and germ cells, but its expression is downregulated in all differentiated somatic cells. It can specifically bind to the octamer motif (5'-ATTCAT-3') and is crucial for the self-renewal of embryonic stem cells. OCT-3/4 is a specific marker for germ cell tumors and is used in the diagnosis of seminomas (including mediastinal seminomas), germinomas of the central nervous system, dysgerminomas of the ovary, and embryonal carcinomas.

Protein full name:

Octamer-Binding Transcription Factor 3/4

Synonyms:

Oct4, POU5F1

Immunogen:

Peptide

Isotype:

IgG

Subcellular location:

Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

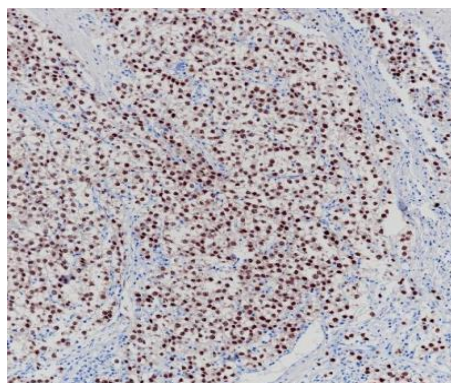
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Human seminoma tissue, 4% PFA 12-24h

Source of Reagents:

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