

Oct-3/4 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP06332

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen Synthesized peptide derived from Oct-3/4 at AA range: 201-250

Mol wt 38571

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name Oct-3/4 Antibody

Synonyms 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)

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

POU5F1 (POU class 5 homeobox 1) encodes a transcription factor containing a POU homeodomain that plays a key role in embryonic development and stem cell pluripotency. Aberrant expression of POU5F1 in adult tissues is associated with tumorigenesis. POU5F1 can participate in a translocation with the 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 of the AUG start codons is polymorphic in human populations. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.

Recommended Dilution

WB: 1: 500 - 2000

ELISA: 1: 10000 - 20000

Not yet tested in other applications.

Image



Western Blot analysis of 3T3 cells using Oct-3/4 Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year