



Recombinant OCT-4 (POU5F1) (Germ Cell Tumor Marker) Antibody

Rabbit Monoclonal Antibody [Clone OCT4/13757R]

Catalog No	Format	Size
5460-RBM12-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5460-RBM12-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5460-RBM12-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	OCT4/13757R
Immunogen	15-amino acid inter-domain linker region (cGPEPGWVDPRTWLSF) connecting the two DNA-binding subdomains POUu and POUh within the POU domain of the Oct4 (POU5F1) protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	38.57kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	Expressed in developing brain

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant OCT-4 (POU5F1) (Germ Cell Tumor Marker) Antibody

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.