
Summary

Production Name	Oct1(7G1)Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,IF,WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
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, pH 7.4, containing 0.5%BSA, 0.02% New type preservative N as Preservative and 50% Glycerol.
Purification	Affinity purification

Immunogen

Gene Name	POU2F1
Alternative Names	
Gene ID	5451/5452
SwissProt ID	P14859/P09086.Synthetic Peptide of 42644

Application

Dilution Ratio	WB 1:500-2000 IF 1:200 IHC 1:50-300
Molecular Weight	89kD

Background

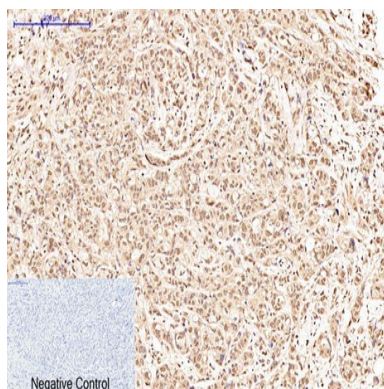
Product Name: Oct1(7G1)Mouse Monoclonal Antibody
Catalog #: AMM15099



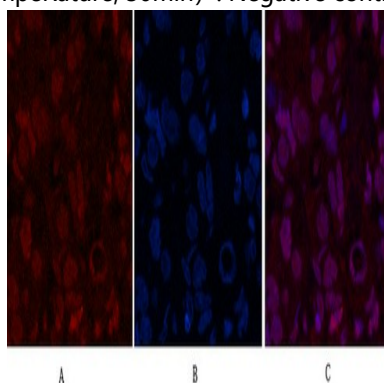
The OCT1 transcription factor was among the first identified members of the POU transcription factor family (summarized by Sturm et al., 1993 [PubMed 8314572]). Members of this family contain the POU domain, a 160-amino acid region necessary for DNA binding to the octameric sequence ATGCAAAT.[supplied by OMIM, Jul 2010],function:Transcription factor that binds to the octamer motif (5'-ATTGTCAT-3') and activates the promoters of the genes for some small nuclear RNAs (snRNA) and of genes such as those for histone H2B and immunoglobulins. Modulates transcription transactivation by NR3C1, AR and PGR.,PTM:Phosphorylated by PRKDC.,similarity:Belongs to the POU transcription factor family. Class-2 subfamily.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 1 POU-specific domain.,subunit:Interacts with NR3C1, AR, PGR and HCFC1.,tissue specificity:Ubiquitous. Isoform 2 is lymphocyte-specific.,

Research Area

Image Data

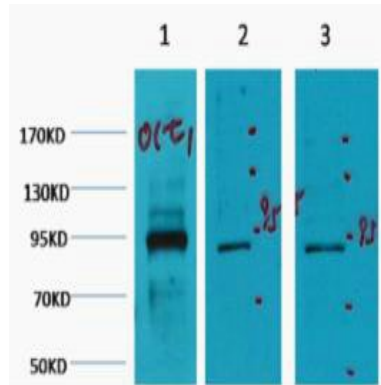


Immunohistochemical analysis of paraffin-embedded Human-breast-cancer tissue. 1,Oct1 Monoclonal Antibody (7G1) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-breast-cancer tissue. 1,Oct1 Monoclonal Antibody (7G1) (red) was diluted at 1:200 (4°C,overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) . 3, Picture B: DAPI (blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

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Western blot analysis of 1) HeLa, 2) Jurkat, 3) HepG2, diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

Note

For research use only.