

Oct1 Monoclonal Antibody(7G1)

Catalog No: YM3089

Reactivity: Human

Applications: WB;IHC;IF;

Target: OCT1

Fields: >>Herpes simplex virus 1 infection;>>Lipid and atherosclerosis

Gene Name: POU2F1

Protein Name: POU domain class 2 transcription factor

Human Gene Id: 5451/5452

Human Swiss Prot

P14859/P09086

No:

Mouse Gene Id: 18986/18987

Rat Gene Id: 171068

Rat Swiss Prot No: P31503

Immunogen: Synthetic Peptide of 42644

Specificity: The antibody detects endogenous Oct1 protein.

Formulation: PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and

50% Glycerol.

Source: Monoclonal, Mouse

Dilution: WB 1:500-2000 IF 1:200 IHC 1:50-300

Purification: The antibody was affinity-purified from mouse ascites by affinity-

chromatography using specific immunogen.

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 89kD

Background: 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: function:Transcription factor that binds to the octamer motif (5'-ATTTGCAT-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.,

Subcellular Location :

Nucleus.

Expression: Ubiquitous. Isoform 2 is lymphocyte-specific.

Tag: hot

Sort : 11044

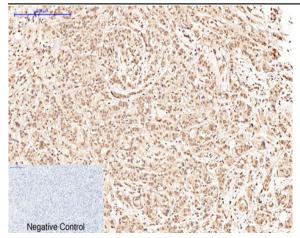
No4:

Host: Mouse

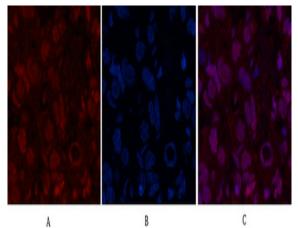
Modifications: Unmodified

Products Images

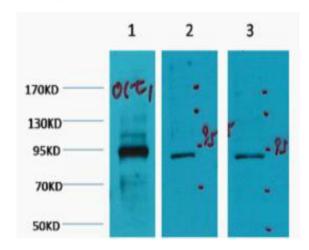
2/3



Immunohistochemical analysis of paraffin-embedded Humanbreast-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 labled 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



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).