

HBO1(PTR1372) mouse mAb

Catalog No :	YM4668
Reactivity :	Human;
Applications :	WB;IF;ELISA
Target :	HBO1
Gene Name :	KAT7
Protein Name :	Histone acetyltransferase KAT7
Human Gene Id :	11143
Human Swiss Prot No :	O95251
Immunogen :	Synthesized peptide derived from human protein. AA range:100-200
Specificity :	This antibody detects endogenous levels of HBO1 protein.
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal,Mouse,IgM,kappa
Dilution :	WB 1:500-2000.IF 1:100-500.ELISA 1:1000-5000.
Purification :	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	75kD
Observed Band :	75kD
Background :	catalytic activity:Acetyl-CoA + histone = CoA + acetylhistone.,domain:The C2HC-type zinc finger is required for interaction with MCM2 and ORC1L.,domain:The N-terminus is involved in transcriptional repression, while the C-terminus mediates

AR-interaction.,function:Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation it may regulate DNA replication and act as a coactivator of TP53-dependent transcription. Specifically represses AR-mediated transcription.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the MYST (SAS/MOZ) family.,similarity:Contains 1 C2HC-type zinc finger.,subunit:Component of the HBO1 complex composed at least of ING4 or ING5, MYTS2/HBO1, EAF6, and one of PHF15, PHF16 and PHF17. Interacts with MCM2 and ORC1L. Interacts with the androgen receptor (AR) in the presence of dihydrotestosterone.,tissue specificity:Ubiquitously expressed, with highest levels in testis.,

Function :

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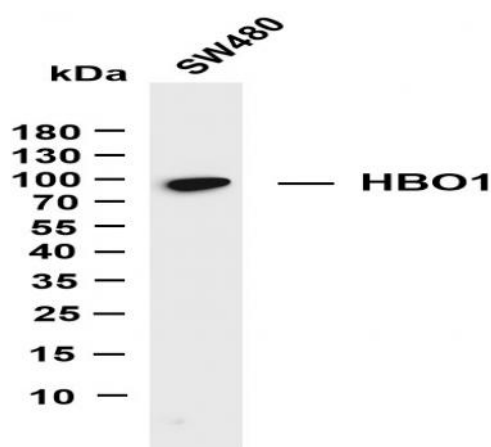
Subcellular Location :

Cytoplasmic, Nuclear

Expression :

Ubiquitously expressed, with highest levels in testis.

Products Images



Whole cell lysates were separated by 4%-20% SDS-PAGE, and the membrane was blotted with anti- HBO1 (PTR1372) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: SW480 Predicted band size: 75kDa Observed band size: 75kDa