



INO80 mouse mAb

Catalog No	YP-mAb-18187
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	INO80 INO80A INOC1 KIAA1259
Immunogen	Synthesized peptide derived from human INO80
Specificity	This antibody detects endogenous levels of INO80 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Chromatin-remodeling ATPase INO80;DNA helicase-related INO80 complex homolog 1;DNA helicase-related protein INO80;EC:3.6.4.-;hINO80;INO80;INO80 INO80A INOC1 KIAA1259;DNA helicase INO80 (hINO80) (EC 3.6.4.12) (INO80 complex subunit A) (Putative DNA helicase INO80 complex homolog 1)
Observed Band	178 kDa
Calculated Molecular Weight	1556 aa, 177 kDa
Cell Pathway	Cytoplasm . Nucleus . Cytoplasm, cytoskeleton, spindle . Chromosome . Localizes to the cytoplasm in quiescent cell (PubMed:20237820). Associates with spindle microtubules during mitosis (PubMed:20237820). Colocalizes with PCNA at replication forks during S-phase (PubMed:20237820). Recruited to DNA damage sites in a ACTR8-dependent manner (PubMed:20971067). .
Tissue Specificity	According to PubMed:10574462, widely expressed. According to PubMed:16298340, specifically expressed in brain, liver and pancreas.
Function	ATPase component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and DNA repair . Binds DNA . As part of the INO80 complex, remodels chromatin by shifting nucleosomes . Regulates transcription upon recruitment by YY1 to YY1-activated genes, where it acts as an essential coactivator . Involved in UV-



damage excision DNA repair . The contribution to DNA double-strand break repair appears to be largely indirect through transcriptional regulation . Involved in DNA replication . Required for microtubule assembly during mitosis thereby regulating chromosome segregation cycle .

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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