

INO80 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3046a**Specification**

INO80 Antibody (internal region) - Product Information

Application	E
Primary Accession	O9ULG1
Other Accession	NP_060023.1 , 54617 , 296084 (rat)
Predicted	Human, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	176753

INO80 Antibody (internal region) - Additional Information**Gene ID** 54617**Other Names**

DNA helicase INO80, hINO80, 3.6.4.12, INO80 complex subunit A, Putative DNA helicase INO80 complex homolog 1, INO80, INO80A, INOC1, KIAA1259

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

INO80 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

INO80 Antibody (internal region) - Protein Information**Name** INO80**Synonyms** INO80A, INOC1, KIAA1259**Function**

ATPase component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and DNA repair (PubMed:16230350, PubMed:16298340, PubMed:17721549, PubMed:17721549, PubMed:17721549)

href="http://www.uniprot.org/citations/20855601" target="_blank">20855601, PubMed:20237820). Binds DNA (PubMed:16298340, PubMed:21303910). As part of the INO80 complex, remodels chromatin by shifting nucleosomes (PubMed:16230350, PubMed:21303910). Regulates transcription upon recruitment by YY1 to YY1-activated genes, where it acts as an essential coactivator (PubMed:17721549). Involved in UV- damage excision DNA repair (PubMed:20855601). The contribution to DNA double-strand break repair appears to be largely indirect through transcriptional regulation (PubMed:20687897). Involved in DNA replication (PubMed:20237820). Required for microtubule assembly during mitosis thereby regulating chromosome segregation cycle (PubMed:20237820).

Cellular Location

Cytoplasm. Nucleus {ECO:0000255|PROSITE-ProRule:PRU00746, ECO:0000269|PubMed:16298340, ECO:0000269|PubMed:18026119, ECO:0000269|PubMed:20237820, ECO:0000269|PubMed:20971067}. Cytoplasm, cytoskeleton, spindle. Chromosome. Note=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 Location

According to PubMed:10574462, widely expressed. According to PubMed:16298340, specifically expressed in brain, liver and pancreas.

INO80 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

INO80 Antibody (internal region) - Images

INO80 Antibody (internal region) - References

Distinct modes of regulation of the Uch37 deubiquitinating enzyme in the proteasome and in the Ino80 chromatin-remodeling complex. Yao T, Song L, Jin J, Cai Y, Takahashi H, Swanson SK, Washburn MP, Florens L, Conaway RC, Cohen RE, Conaway JW. Molecular cell 2008 Sep 31 (6): 909-17. PMID: 18922472