

INO80 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56350**Specification**

INO80 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O9ULG1
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	176753

INO80 Polyclonal Antibody - Additional Information**Gene ID** 54617**Other Names**

Chromatin-remodeling ATPase INO80, hINO80, 3.6.4.-, DNA helicase-related INO80 complex homolog 1, DNA helicase-related protein INO80, INO80 complex subunit A, INO80, INO80A, INOC1, KIAA1259

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

INO80 Polyclonal Antibody - 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: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

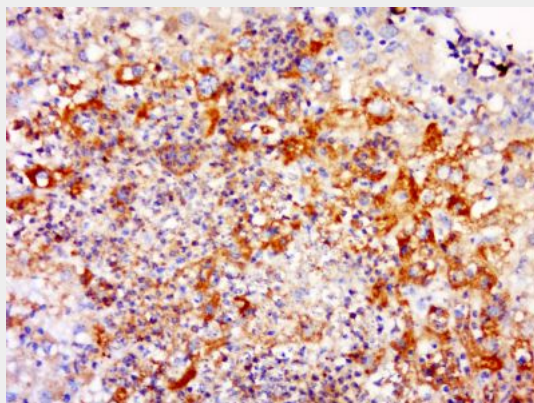
According to PubMed:10574462, widely expressed. According to PubMed:16298340, specifically expressed in brain, liver and pancreas.

INO80 Polyclonal Antibody - 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 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20

minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (INO80) Polyclonal Antibody, Unconjugated (bs-16660R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.