

**ENY2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55643****Specification****ENY2 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q9NPA8</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ENY2
Epitope Specificity	51-101/101
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus, nucleoplasm. Nucleus, nuclear pore complex.
SIMILARITY	Belongs to the ENY2 family.
SUBUNIT	Component of the nuclear pore complex (NPC)-associated TREX-2 complex (transcription and export complex 2), composed of at least ENY2, GANP, PCID2, DSS1, and either centrin CETN2 or CETN3. TREX-2 contains 2 ENY2 chains. The TREX-2 complex interacts with the nucleoporin NUP153. Component of some SAGA transcription coactivator-HAT complexes, at least composed of ATXN7, ATXN7L3, ENY2, GCN5L2, SUPT3H, TAF10, TRRAP and USP22. Within the SAGA complex, ENY2, ATXN7, ATXN7L3, and USP22 form an additional subcomplex of SAGA called the DUB module (deubiquitination module). Interacts directly with ATXN7L3, GANP and with the RNA polymerase II.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

Made up of nearly 146 million bases, chromosome 8 encodes about 800 genes. Translocation of portions of chromosome 8 with amplifications of the c-Myc gene are found in some leukemias and lymphomas, and typically associated with a poor prognosis. Portions of chromosome 8 have been linked to schizophrenia and bipolar disorder. Trisomy 8, also known as Warkany syndrome 2, most often results in early miscarriage but is occasionally seen in a mosaic form in surviving patients

who suffer to a varying degree from a number of symptoms including retarded mental and motor development, and certain facial and developmental defects. WRN is a DNA helicase encoded by chromosome 8 and shown defective in those with the early aging disorder Werner syndrome. Chromosome 8 is also associated with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome. name change.

## **ENY2 Polyclonal Antibody - Additional Information**

**Gene ID** 56943

### **Other Names**

Transcription and mRNA export factor ENY2 {ECO:0000255|HAMAP-Rule:MF\_03046}, Enhancer of yellow 2 transcription factor homolog {ECO:0000255|HAMAP-Rule:MF\_03046}, ENY2 {ECO:0000255|HAMAP-Rule:MF\_03046}

### **Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

### **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.

## **ENY2 Polyclonal Antibody - Protein Information**

**Name** ENY2 {ECO:0000255|HAMAP-Rule:MF\_03046}

### **Function**

Involved in mRNA export coupled transcription activation by association with both the TREX-2 and the SAGA complexes. The transcription regulatory histone acetylation (HAT) complex SAGA is a multiprotein complex that activates transcription by remodeling chromatin and mediating histone acetylation and deubiquitination. Within the SAGA complex, participates in a subcomplex that specifically deubiquitinates both histones H2A and H2B. The SAGA complex is recruited to specific gene promoters by activators such as MYC, where it is required for transcription. Required for nuclear receptor- mediated transactivation (PubMed:<a href="http://www.uniprot.org/citations/18206972" target="\_blank">18206972</a>, PubMed:<a href="http://www.uniprot.org/citations/21746879" target="\_blank">21746879</a>). As a component of the TREX-2 complex, involved in the export of mRNAs to the cytoplasm through the nuclear pores (PubMed:<a href="http://www.uniprot.org/citations/23591820" target="\_blank">23591820</a>).

### **Cellular Location**

Nucleus, nucleoplasm {ECO:0000255|HAMAP- Rule:MF\_03046, ECO:0000269|PubMed:22307388}. Note=Localization at the nuclear pore complex requires NUP153 and TPR

## **ENY2 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](#)

**ENY2 Polyclonal Antibody - Images**