

## **ESCO2 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55652

## **Specification**

## **ESCO2 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession

Host

Clonality

Calculated MW

Physical State

Q56NI9

Rabbit

Polyclonal
68 KDa

Liquid

Immunogen KLH conjugated synthetic peptide derived

from human ESCO2

Epitope Specificity 101-200/601

Isotype IgG

Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nuclear

Important Note

This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

#### **Background Descriptions**

This gene encodes a protein that may have acetyltransferase activity and may be required for the establishment of sister chromatid cohesion during the S phase of mitosis. Mutations in this gene have been associated with Roberts syndrome. [provided by RefSeq, Jul 2008]

## **ESCO2 Polyclonal Antibody - Additional Information**

## Gene ID 157570

## **Other Names**

N-acetyltransferase ESCO2, 2.3.1.-, Establishment factor-like protein 2, EFO2, EFO2p, hEFO2, Establishment of cohesion 1 homolog 2, ECO1 homolog 2, ESCO2

## **Dilution**

<span class ="dilution\_WB">WB~~1:1000/span><br/>f \><span class</pre>

="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class

="dilution IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF $\sim$ 1:50 $\sim$ 200</span><br \><span class ="dilution\_ICC">ICC $\sim$ N/A</span><br \><span class ="dilution\_E">E $\sim$ N/A</span>

## Storage

Store at -20  $^{\circ}$ 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  $^{\circ}$ C.



## **ESCO2 Polyclonal Antibody - Protein Information**

## Name ESCO2 (HGNC:27230)

#### **Function**

Acetyltransferase required for the establishment of sister chromatid cohesion (PubMed:<a href="http://www.uniprot.org/citations/15821733" target="\_blank">15821733</a>, PubMed:<a href="http://www.uniprot.org/citations/15958495" target="\_blank">15958495</a>). Couples the processes of cohesion and DNA replication to ensure that only sister chromatids become paired together. In contrast to the structural cohesins, the deposition and establishment factors are required only during the S phase. Acetylates the cohesin component SMC3 (PubMed:<a href="http://www.uniprot.org/citations/21111234" target=" blank">21111234</a>).

#### **Cellular Location**

Nucleus. Chromosome. Note=Nuclear in interphase cells, excluded from chromosomes during metaphase but reassociates with chromosomes in telophase.

#### **Tissue Location**

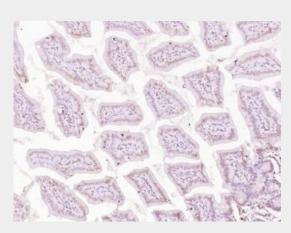
Widely expressed in fetal tissues. In adult, it is expressed in thymus, placenta and small intestine

## **ESCO2 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 Cytomety
- Cell Culture

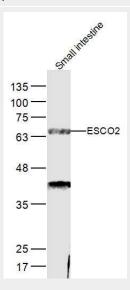
# **ESCO2 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (Mouse intestine); 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 (ESCO2) Polyclonal Antibody, Unconjugated (bs-14632R) at 1:400 overnight at 4°C, followed by



# operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



# Sample:

Small intestine (Mouse) Lysate at 40 ug

Primary: Anti-ESCO2 (bs-14632R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 68 kD Observed band size: 68 kD