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ESCO2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10717c

Specification

ESCO2 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q56NI9
Other Accession	NP_001017420.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**68307**
Antigen Region	**132-161**

ESCO2 Antibody (Center) - Additional Information

Gene ID 157570

Other Names
N-acetyltransferase ESCO2, 231-, Establishment of cohesion 1 homolog 2, ECO1 homolog 2, ESCO2

Target/Specificity
This ESCO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-161 amino acids from the Central region of human ESCO2.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
ESCO2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ESCO2 Antibody (Center) - Protein Information

Name ESCO2 (HGNC:27230)

Function Acetyltransferase required for the establishment of sister chromatid cohesion (PubMed:15821733, PubMed:15958495). 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:21111234).

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

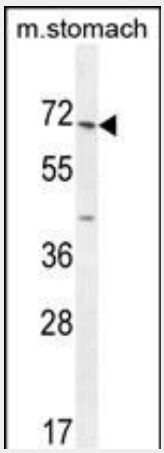
Tissue Location
Widely expressed in fetal tissues. In adult, it is expressed in thymus, placenta and small intestine

ESCO2 Antibody (Center) - 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 Antibody (Center) - Images



ESCO2 Antibody (Center) (Cat. #AP10717c) western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the ESCO2 antibody detected the ESCO2 protein (arrow).

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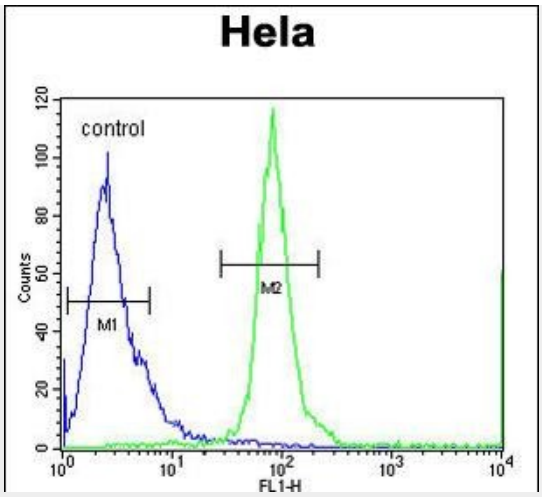

ESCO2 Antibody (Center) (Cat. #AP10717c) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ESCO2 Antibody (Center) - Background

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.

ESCO2 Antibody (Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Nishihara, M., et al. Biochem. Biophys. Res. Commun. 393(1):111-117(2010)
Vega, H., et al. J. Med. Genet. 47(1):30-37(2010)
Terret, M.E., et al. Nature 462(7270):231-234(2009)
van der Lelij, P., et al. PLoS ONE 4 (9), E6936 (2009) :