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ESCO2 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP10717c

Specification

ESCO2 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q56NI9

ESCO2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 157570

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ESCO2 Antibody (Center) Blocking peptide - 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

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ESCO2 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

ESCO2 Antibody (Center) Blocking peptide - Images

ESCO2 Antibody (Center) Blocking peptide - Background

This gene encodes a protein that may haveacetyltransferase activity and may be required for theestablishment of sister chromatid cohesion during the S phase ofmitosis. Mutations in this gene have been associated with Robertssyndrome.

ESCO2 Antibody (Center) Blocking peptide - 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) :