

ESCO1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51799**Specification**

ESCO1 Antibody - Product Information

Application	WB, E
Primary Accession	Q5FWF5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95 KDa

ESCO1 Antibody - Additional Information**Gene ID** 114799**Other Names**

N-acetyltransferase ESCO1, 231-, CTF7 homolog 1, Establishment factor-like protein 1, EFO1p, hEFO1, Establishment of cohesion 1 homolog 1, ECO1 homolog 1, ESO1 homolog 1, ESCO1, EFO1, KIAA1911

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ESCO1. The exact sequence is proprietary.

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

ESCO1 Antibody - Protein Information**Name** ESCO1**Synonyms** EFO1, KIAA1911**Function**

Acetyltransferase required for the establishment of sister chromatid cohesion (PubMed:15958495, PubMed:18614053). 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 S phase. Acts by mediating the acetylation of cohesin component SMC3 (PubMed:18614053).

Cellular Location

Nucleus. Chromosome Note=Nuclear at interphase, associated with chromosomes during mitosis

Tissue Location

Widely expressed. Expressed in heart, brain, liver, placenta, lung, kidney and pancreas. Highly expressed in muscle

ESCO1 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](#)

ESCO1 Antibody - Images**ESCO1 Antibody - Background**

Acetyltransferase required for the establishment of sister chromatid cohesion and couple 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 S phase. Acts by mediating the acetylation of cohesin component SMC3.

ESCO1 Antibody - References

Nagase T.,et al.DNA Res. 8:179-187(2001).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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