

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

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**ESCO1 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q5FWF5</a>
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

**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](http://www.uniprot.org/citations/15958495), PubMed: [18614053](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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).  
Bellows A.M.,et al.Nucleic Acids Res. 31:6334-6343(2003).