

**ESCO1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20370b****Specification**

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**ESCO1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q5FWF5</a>
Other Accession	<a href="#">Q69Z69</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	94983
Antigen Region	661-687

**ESCO1 Antibody (C-term) - 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**

This ESCO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 661-687 amino acids from the C-terminal region of human ESCO1.

**Dilution**

WB~~1:1000

**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**

ESCO1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ESCO1 Antibody (C-term) - 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

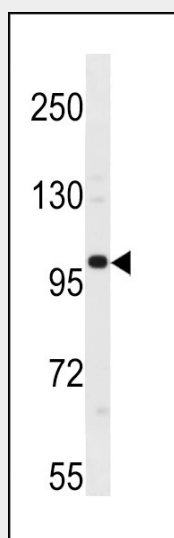
**Tissue Location**

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

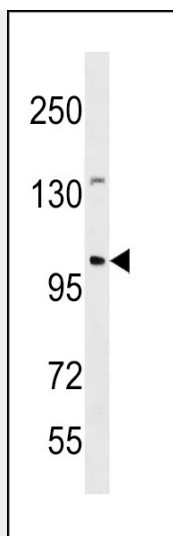
**ESCO1 Antibody (C-term) - Protocols**

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 (C-term) - Images**

ESCO1 Antibody (C-term) (Cat. #AP20370b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the ESCO1 antibody detected the ESCO1 protein (arrow).



ESCO1 Antibody (C-term) (Cat. #AP20370b) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the ESCO1 antibody detected the ESCO1 protein (arrow).

#### **ESCO1 Antibody (C-term) - 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.