

# ESCO1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51799

## Product Information

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Application	WB
Primary Accession	<a href="#">Q5FWF5</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94983

## Additional Information

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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
Dilution	WB~~1:1000
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

## Protein Information

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Name	ESCO1
Synonyms	EFO1, KIAA1911
Function	Acetyltransferase required for the establishment of sister chromatid cohesion (PubMed: <a href="#">15958495</a> , PubMed: <a href="#">18614053</a> ). 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: <a href="#">18614053</a> ).
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

## Background

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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.

## References

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- 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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