10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ESCO1 Antibody

Catalog # AP51799

Product Information

Application	WB
Primary Accession	Q5FWF5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94983

Additional Information

Gene ID	114799
Other Names	EFO1; KIAA1911; N-acetyltransferase ESCO1; CTF7 homolog 1; Establishment factor-like protein 1; EFO1p; hEFO1; Establishment of cohesion 1 homolog 1; ECO1 homolog 1; ESO1 homolog 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ESCO1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

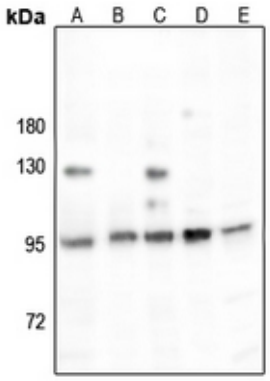
Protein Information

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

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).

Images



Western blot analysis of ESCO1 expression in A375 (A), SGC7901 (B), HepG2 (C), AML12 (D), PC12 (E) whole cell lysates. (Predicted band size: 94 kD; Observed band size: 95 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.