



ESCO1 Polyclonal Antibody

Catalog No	YP-Ab-05787
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ESCO1 EFO1 KIAA1911
Immunogen	Synthesized peptide derived from human protein . at AA range: 10-90
Specificity	ESCO1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CTF7 homolog 1;ECO1 homolog 1;EFO1;ESO1 homolog 1;hEFO1;ESCO1; ESCO1 EFO1 KIAA1911;N-acetyltransferase ESCO1 (EC 2.3.1.-) (CTF7 homolog 1) (Establishment factor-like protein 1) (EFO1p) (hEFO1) (Establishment of cohesion 1 homolog 1) (ECO1 homolog 1) (ESO1 homolog 1)
Observed Band	95 kDa
Calculated Molecular Weight	95 kDa
Cell Pathway	Nucleus . Chromosome . Nuclear at interphase, associated with chromosomes during mitosis. .
Tissue Specificity	Widely expressed. Expressed in heart, brain, liver, placenta, lung, kidney and pancreas. Highly expressed in muscle.
Function	caution:It is uncertain whether Met-1 or Met-2 is the initiator.,domain:The N-terminal region seems to be responsible for the association with chromosomes, thus excluding any involvement of the Zn finger in this process., function: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.,PTM:Phosphorylated during mitosis. Phosphorylated upon DNA damage,

probably by ATM or ATR.,similarity:Belongs to the acetyltransferase family. GCN5 subfamily.,subcellular location:Nuclear at interphase, associated with chromosomes during mitosis.,tissue specificity:Widely expressed. Expressed in heart, brain, liver, placenta, lung, kidney and pancreas. Hig

Background

establishment of sister chromatid cohesion N-acetyltransferase 1(ESCO1) Homo sapiens ESCO1 belongs to a conserved family of acetyltransferases involved in sister chromatid cohesion (Hou and Zou, 2005 [PubMed 15958495]) .[supplied by OMIM, Mar 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images