

For Research Use Only

ESCO2 Polyclonal antibody

Catalog Number: 23525-1-AP **2 Publications**



Basic Information

Catalog Number: 23525-1-AP	GenBank Accession Number: BC146562	Purification Method: Antigen Affinity purified
Size: 550 ug/ml	GeneID (NCBI): 157570	Recommended Dilutions: WB 1:500-1:3000 IHC 1:150-1:600
Source: Rabbit	UNIPROT ID: Q56NI9	
Isotype: IgG	Full Name: establishment of cohesion 1 homolog 2 (S. cerevisiae)	
Immunogen Catalog Number: AG18893	Calculated MW: 601 aa, 68 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells, HepG2 cells, mouse testis, rat testis
Species Specificity: human, mouse, rat	IHC : human skin cancer tissue,
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ESCO2 is also known as Establishment of Sister Chromatid Cohesion N-Acetyltransferase 2, EFO2. This gene encodes a member of the family of acetyltransferases involved in the establishment of sister chromatid cohesion during S phase and postreplicative sister chromatid cohesion induced by double-strand breaks (PubMed: 15821733). Mutations in the ESCO2 gene are associated with a rare genetic disorder called Roberts syndrome or SC phocomelia syndrome (PubMed: 16380922). The loss of function or impaired activity of the ESCO2 protein due to mutations disrupts the proper cohesion of sister chromatids, leading to chromosomal abnormalities and the characteristic features of Roberts syndrome. ESCO2 can be detected as about 65-70 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Gang Zhang	35258173	Kaohsiung J Med Sci	WB
Yue Huang	38605349	BMC Cancer	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

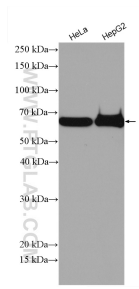
T: 4006900926

E: Proteintech-CN@ptglab.com

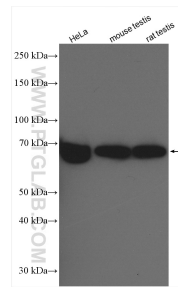
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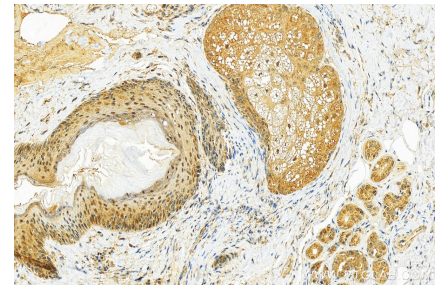
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23525-1-AP (ESCO2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 23525-1-AP (ESCO2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 23525-1-AP (ESCO2 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).