

ESRP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP5940a

Product Information

Application WB, IHC-P, E Primary Accession Q6NXG1

Other Accession B2RYD2, Q3US41, NP_001116298.1, NP_060167.2, NP_001030087.2,

NP 001116299.1, NP 001116297.1

Reactivity Human, Rat, Mouse

Predicted Mouse, Rat
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 75585
Antigen Region 182-211

Additional Information

Gene ID 54845

Other Names Epithelial splicing regulatory protein 1, RNA-binding motif protein 35A,

RNA-binding protein 35A, ESRP1, RBM35A

Target/Specificity This ESRP1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 182-211 amino acids of human ESRP1.

Dilution WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This

antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

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 ESRP1 Antibody (N-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name ESRP1

Synonyms RBM35A

Function mRNA splicing factor that regulates the formation of epithelial cell-specific

isoforms. Specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2. Also regulates the splicing of CD44, CTNND1, ENAH, 3 transcripts that undergo changes in splicing during the epithelial-to-mesenchymal transition (EMT). Acts by directly binding specific sequences in mRNAs. Binds the GU-rich sequence motifs in the ISE/ISS-3, a cis-element regulatory region present in the mRNA of FGFR2 (PubMed:19285943). Regulates splicing and expression of genes involved in inner ear development, auditory hair cell differentiation, and cell fate specification in the cochlear epithelium (By similarity).

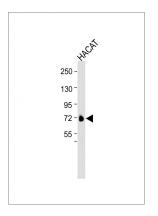
Cellular Location

Nucleus.

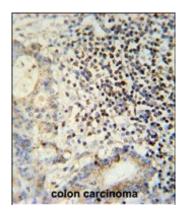
Tissue Location

Epithelial cell-specific.

Images



All lanes: Anti-ESRP1 Antibody (N-term) at 1:1000 dilution Lane 1: HACAT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Observed band size:72kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ESRP1 antibody (N-term) (Cat. #AP5940a) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ESRP1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

• Transcriptomic analysis of PNN- and ESRP1-regulated alternative pre-mRNA splicing in human corneal epithelial cells.

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