

Rabbit Anti-DBR1 antibody

SL14304R

Product Name DBR1

Chinese Name 脱支酶同源蛋白 DBR1 抗体

Alias DBR1; DBR1_HUMAN; Debranching enzyme homolog 1 (S. cerevisiae); Lariat debranching enzyme; RNA lariat debranching enzyme.

Research Area Cell biology transcriptional regulatory factor Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species Mouse(predicted:Human,Rat,Dog,Cow,Sheep)

Applications IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 62kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human DBR1: 451-544/544

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product The protein encoded by this gene is an RNA lariat debranching enzyme that

Detail

hydrolyzes 2'-5' prime branched phosphodiester bonds. The encoded protein specifically targets the bonds at the branch point of excised lariat intron RNA, converting them to linear molecules that are then degraded. This protein may also be involved in retroviral replication. [provided by RefSeq, Nov 2011]

Function:

Cleaves the 2'-5' phosphodiester linkage at the branch point of lariat intron pre-mRNAs after splicing and converts them into linear molecules that are subsequently degraded. It thereby facilitates ribonucleotide turnover. It may also participate in retrovirus replication via a RNA lariat intermediate in cDNA synthesis.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the lariat debranching enzyme family.

SWISS:

Q9UK59

Gene ID:

51163

Database links:

[Entrez Gene: 51163](#) Human

[Entrez Gene: 83703](#) Mouse

[Entrez Gene: 681234](#) Rat

[Omim: 607024](#) Human

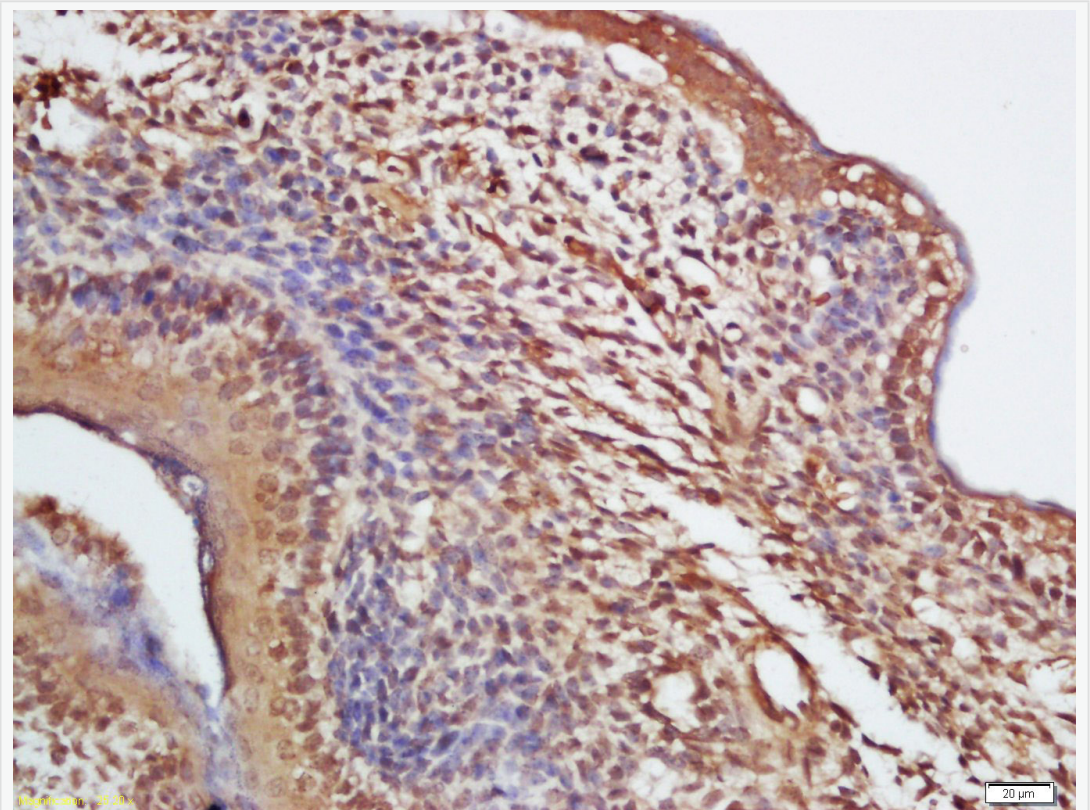
[SwissProt: Q9UK59](#) Human

[SwissProt: Q923B1](#) Mouse

[Unigene: 477700](#) Human

[Unigene: 31324](#) Mouse

**Product
Picture**



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-DBR1 Polyclonal Antibody, Unconjugated(SL14304R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining