

DBR1 Rabbit pAb

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Catalog # AP55514

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UK59
Reactivity	Mouse
Predicted	Rat, Dog, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61555
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DBR1
Epitope Specificity	451-544/544
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is an RNA lariat debranching enzyme that 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]

Additional Information

Gene ID	51163
Other Names	Lariat debranching enzyme, 3.1.4.-, DBR1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DBR1
Function	Cleaves the 2'-5' phosphodiester linkage at the branch point of excised lariat

intron RNA and converts them into linear molecules that can be subsequently degraded, thereby facilitating ribonucleotide turnover (PubMed:[10982890](#), PubMed:[16232320](#), PubMed:[2435736](#)). Linked to its role in pre-mRNA processing mechanism, may also participate in retrovirus replication via an RNA lariat intermediate in cDNA synthesis and have an antiviral cell-intrinsic defense function in the brainstem (PubMed:[16232320](#), PubMed:[29474921](#)).

Cellular Location

Nucleus.

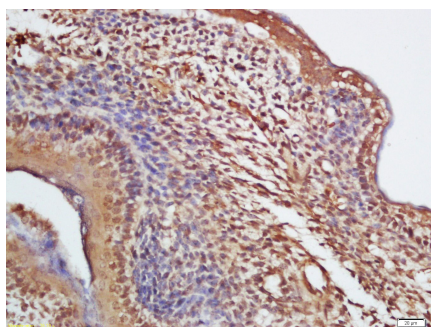
Tissue Location

Ubiquitously expressed, strongest expression in the spinal cord and brainstem.

Background

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Images



Tissue/cell: mouse embryo tissue; 4%
Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, 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(AP55514) 1:200, overnight at 4°C, followed
by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining

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