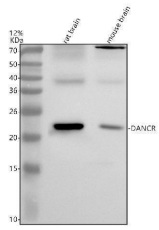
DANCR Antibody / Putative uncharacterized protein DANCR Antibody (FY13666)

Catalog No.	Formulation	Size
FY13666	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Buffer	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
UniProt	Q3T987
Applications	Western blot: 0.5-1ug/ml
Limitations	This DANCR Antibody / Putative uncharacterized protein DANCR Antibody is intended for research use only.



DANCR Antibody by WB in Rat and Mouse Brain Lysates. Western blot analysis using DANCR Antibody and the Putative uncharacterized protein DANCR Antibody in brain tissue lysates. Lane 1 contains rat brain and lane 2 contains mouse brain; 30 ug of total protein was loaded per lane under reducing conditions and separated by 12% SDS-PAGE. The blot shows a prominent immunoreactive band at approximately 22 kDa in both samples, matching the reported molecular weight. Protein was transferred to nitrocellulose, blocked with 5% non-fat milk, and incubated with primary antibody at 0.5 ug/ml overnight at 4oC. Detection used an HRP-conjugated secondary antibody and chemiluminescent substrate.

Description

DANCR Antibody / Putative uncharacterized protein DANCR Antibody is associated with DANCR, a gene best characterized for producing a long noncoding RNA rather than an established functional protein. DANCR stands for differentiation antagonizing non-protein coding RNA, reflecting early findings that its transcript can influence cellular differentiation programs. This distinction matters because the presence of an annotated open reading frame does not by itself demonstrate that a stable, biologically active protein is produced.

DANCR was initially studied in epidermal progenitor cells, where its expression was associated with maintenance of an

undifferentiated state. Long noncoding RNAs can regulate gene expression through interactions with RNA-binding proteins, chromatin-associated factors, or other RNAs. Reports concerning DANCR have described interactions with microRNAs and signaling pathways involved in proliferation, differentiation, and migration. Many proposed mechanisms are context-dependent, however, and individual RNA interaction models require direct experimental validation.

DANCR expression has also been examined in developmental biology and multiple cancer settings. Changes in its abundance have been associated with altered cell behavior, but such correlations do not establish whether DANCR is a driver, a downstream response, or a marker of broader transcriptional changes. Distinguishing transcript-dependent effects from hypothetical protein-mediated functions is especially important when interpreting this locus. Evidence of ribosome association or a predicted coding sequence would not alone resolve that question; peptide-level confirmation and functional studies would be needed.

NSJ Bioreagents offers this DANCR Antibody for investigations of the putative protein annotation associated with the DANCR locus, while the gene's best-supported biological identity remains that of a regulatory noncoding RNA. Clarifying whether any endogenous protein product exists would help reconcile protein annotations with the extensive literature on DANCR-dependent RNA regulation.

Explore related research targets in our Cancer Antibodies collection.

Application Notes

The optimal working dilution of the DANCR Antibody / Putative uncharacterized protein DANCR Antibody should be determined empirically by the investigator.

Immunogen

The DANCR Antibody was generated using a synthetic peptide corresponding to a sequence at the C-terminus of mouse DANCR.

Storage

After reconstitution, the DANCR Antibody may be stored at 4oC for up to one month. For longer storage, aliquot and freeze at -20oC for up to six months. Avoid repeated freezing and thawing.

Alternate Names

DANCR antibody, Putative uncharacterized protein DANCR antibody, differentiation antagonizing non-protein coding RNA antibody, ANCR antibody, KIAA0114 antibody, SNHG13 antibody, Anti-differentiation ncRNA protein antibody, Small nucleolar RNA host gene protein 13 antibody

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