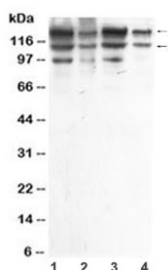


ADAR1 Antibody (R32461)

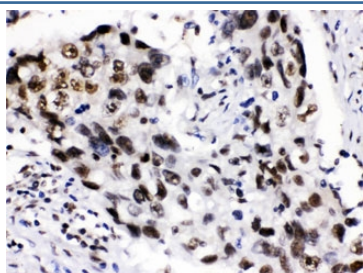
Catalog No.	Formulation	Size
R32461	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P55265
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This ADAR1 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) A549, 3) MCF7 and 4) HepG2 cell lysate with ADAR1 antibody at 0.5ug/ml. Expected molecular weight: 110-150 kDa.



IHC testing of FFPE human lung cancer tissue with ADAR1 antibody at 1ug/ml. HIER: steam in pH6 citrate buffer and allow to cool prior to staining.

Description

Double-stranded RNA-specific adenosine deaminase, also known as ADAR1, is an enzyme that in humans is encoded by the ADAR gene. It is mapped to 1q21.3. This gene encodes the enzyme responsible for RNA editing by site-specific deamination of adenosines. This enzyme destabilizes double-stranded RNA through conversion of adenosine to inosine. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the ADAR1 antibody should be determined by the researcher.

Immunogen

Amino acids S128-Q346 from the human protein were used as the immunogen for the ADAR1 antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the ADAR1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.