ADAR2 (R510) polyclonal antibody

Catalog: BCP00150 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

ADAR2, also designated adenosine deaminase, RNA-specific (RED1), RNA-editing enzyme 1, DRABA2, DRADA2, ADAR2α-L1, ADAR2α-L2 and ADAR2α-L3, mediates RNA editing by destabilizing RNA through deamination of adenosine to inosine. ADAR2 is responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. It can modify its own pre-mRNA and generate new splice sites. Translocation of endogenous ADAR2 from the nucleolus to the nucleoplasm results in increased editing of endogenous ADAR2 substrates. Alternative splicing of this gene results in several transcript variants that may influence RNA editing. RNA editing involves the deamination of adenosines at specific sites, the result of which can be a change in the amino acid sequence of the protein so that it differs from that predicted by the sequence of the DNA.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 82 kDa

Swiss-Prot:

P78563

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

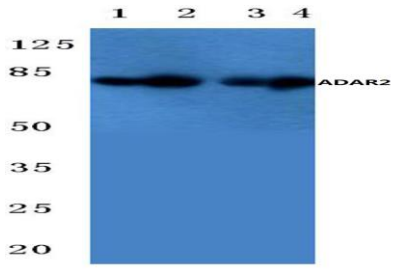
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

ADAR2 (R510) polyclonal antibody detects endogenous levels of ADAR2 protein.

DATA:



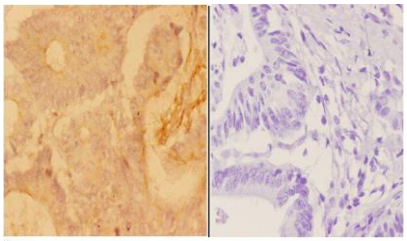
Western blot (WB) analysis of ADAR2 (R510) pAb at 1:1000 dilution

Lane1:L02 whole cell lysate(20ug)

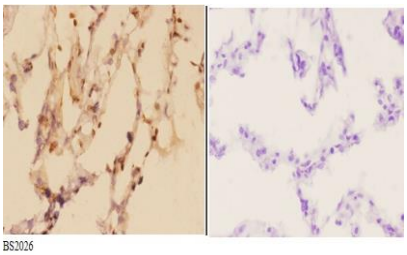
Lane2:H9C2 whole cell lysate(40ug)

Lane3:CT26 whole cell lysate(40ug)

Lane4:MEF whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ADAR2 (R510) pAb in paraffin-embedded human colon carcinoma tissue at 1:50,showing cytoplasm and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of ADAR2 (R510) pAb in paraffin-embedded human lung carcinoma tissue at 1:50,showing cytoplasm and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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