

ANKRD31 Polyclonal antibody

Catalog Number: 29891-1-AP

Basic Information

Catalog Number:

29891-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31858

GenBank Accession Number:

NM_001164443.1

GeneID (NCBI):

256006

UNIPROT ID:

Q8N7Z5

Full Name:

ankyrin repeat domain 31

Calculated MW:

211 kDa

Observed MW:

210 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Rat, mouse, human

Positive Controls:

WB : rat testis tissue, mouse heart tissue

Background Information

ANKRD31 (Ankyrin repeat domain-containing protein 31) controls the number, timing, and location of meiotic DNA breaks during meiosis. It encodes a 1857 amino acid protein with 2 ankyrin repeat domains (PubMed: 31003867). ANKRD31 was a meiotic protein colocalized REC114 on chromatin (PubMed: 31000436). Mutations in ANKRD31 are associated with a Rett syndrome (RTT)-like phenotype (PMID: 27541642). And ANKRD31 has a high expression in testis.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



rat testis tissue were subjected to SDS PAGE followed by western blot with 29891-1-AP (ANKRD31 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 29891-1-AP (ANKRD31 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.