

For Research Use Only

# DNAAF2 Polyclonal antibody

Catalog Number: 23228-1-AP



## Basic Information

**Catalog Number:**

23228-1-AP

**Size:**

150ul, Concentration: 350 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG19741

**GenBank Accession Number:**

BC013322

**GeneID (NCBI):**

55172

**UNIPROT ID:**

Q9NVR5

**Full Name:**

chromosome 14 open reading frame

104

**Calculated MW:**

837 aa, 91 kDa

**Observed MW:**

100-110 kDa

**Purification Method:**

Antigen Affinity purified

**Recommended Dilutions:**

WB: 1:1000-1:5000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, rat

**Positive Controls:**

WB: rat testis tissue,

## Background Information

DNAAF2 (Dynein Axonemal Assembly Factor 2) is a cytoplasmic protein involved in the assembly and maturation of outer dynein arms (ODAs) in ciliary and flagellar axonemes. DNAAF2 cooperates with DNAAF1, DNAAF3, and other factors to mediate the transport of dynein precursors from the cytoplasm to the ciliary base, and promotes the proper folding and localization of dynein complexes at the axonemal assembly site. Mutations in the DNAAF2 gene cause primary ciliary dyskinesia (PCD), characterized by chronic respiratory tract infections, situs inversus, and male infertility, due to defective mucociliary clearance resulting from impaired ciliary motility.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

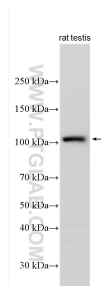
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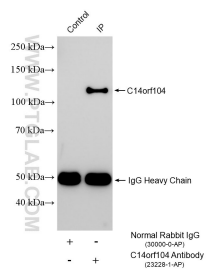
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23228-1-AP (C14orf104 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP result of anti-C14orf104 (IP:23228-1-AP, 4ug; Detection:23228-1-AP 1:3000) with rat testis tissue lysate 1800 ug.