

# BBS8 Polyclonal antibody

Catalog Number: 12505-1-AP

## Basic Information

**Catalog Number:**

12505-1-AP

**Size:**

353 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3186

**GenBank Accession Number:**

BC026351

**GeneID (NCBI):**

123016

**UNIPROT ID:**

Q8TAM2

**Full Name:**

tetratricopeptide repeat domain 8

**Calculated MW:**

531 aa, 60 kDa

**Observed MW:**

50-52 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse testis tissue, human lung tissue, NIH/3T3 cells

IP : HeLa cells,

## Background Information

BBS8 (also known as TTC8) is a subunit of BBSome complex which is necessary for ciliary membrane biogenesis. BBS8 localizes specifically to ciliated structures, such as the connecting cilium of the retina and columnar epithelial cells in the lung. Defects in BBS8 cause Bardet-Biedl syndrome type 8 (BBS8), an genetic disorder characterised by retinal degeneration, obesity, polydactyly, cognitive impairment and kidney failure. BBS8 generates two alternatively spliced isoforms. Western blot analysis using this antibody detected a major band around 60 kD in lung tissue.

## Storage

**Storage:**

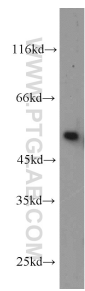
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

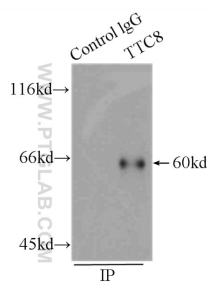
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12505-1-AP (BBS8 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-BBS8 (IP:12505-1-AP, 3ug; Detection:12505-1-AP 1:400) with HeLa cells lysate 2000ug.