

For Research Use Only

# DFNA5 Recombinant antibody

Catalog Number:83454-6-RR



## Basic Information

**Catalog Number:**

83454-6-RR

**Size:**

1000 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3746

**GenBank Accession Number:**

BC019689

**GeneID (NCBI):**

1687

**UNIPROT ID:**

O60443

**Full Name:**

deafness, autosomal dominant 5

**Calculated MW:**

496 aa, 55 kDa

**Observed MW:**

55 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240394D2

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : HeLa cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue

## Background Information

DFNA5 (deafness, autosomal dominant 5), also known as GSDME or ICERE-1, is a 496 amino acid protein that is expressed in cochlea tissue, as well as in placenta, brain, heart, liver, lung and pancreas. Defects in the gene encoding DFNA5 are the cause of non-syndromic sensorineural deafness autosomal dominant type 5 (DFNA5), a form of sensorineural hearing loss that results from damage to one of various structures that receive sound information in the brain. GSDME produced two GSDME fragments with MW of 35 kDa and 25 kDa.

## 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

For technical support and original validation data for this product please contact:

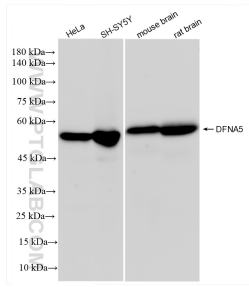
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

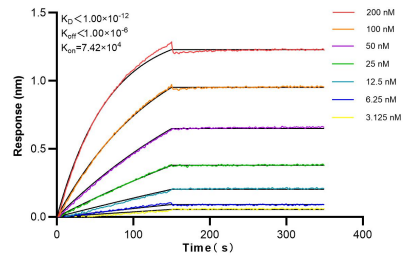
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83454-6-RR (DFNA5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83454-6-RR against Human DFNA5 were performed. The affinity constant is below 1 pM.