For Research Use Only

DFNA5/GSDME Recombinant antibody, PBS Only

Catalog Number:83454-6-PBS

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Basic Information

Catalog Number:
83454-6-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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 purfication

CloneNo.:
240394D2

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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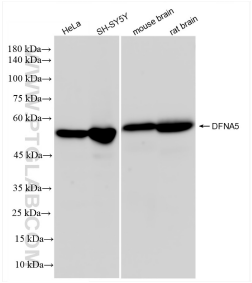
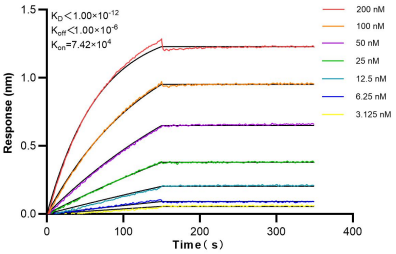
Selected Validation Data



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. This data was developed using the same antibody clone with 83454-6-PBS in a different storage buffer formulation.



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