

For Research Use Only

DFNA5/GSDME Recombinant antibody

Catalog Number:83454-6-RR



Basic Information

Catalog Number: 83454-6-RR	GenBank Accession Number: BC019689	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1687	CloneNo.: 240394D2
Source: Rabbit	UNIPROT ID: O60443	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: deafness, autosomal dominant 5	
Immunogen Catalog Number: AG3746	Calculated MW: 496 aa, 55 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue
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 -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

*** 20ul sizes contain 0.1% BSA

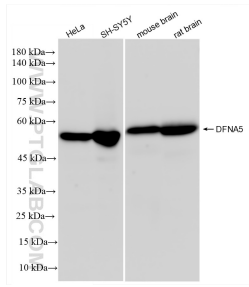
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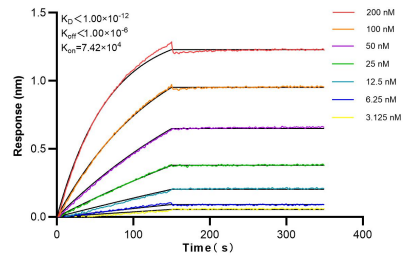
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.