

For Research Use Only

CHGB Recombinant antibody

Catalog Number: 85438-4-RR



Basic Information

Catalog Number:

85438-4-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6833

GenBank Accession Number:

BC000375

GeneID (NCBI):

1114

UNIPROT ID:

P05060

Full Name:

chromogranin B (secretogranin 1)

Calculated MW:

78 kDa

Observed MW:

70-100 kDa

Purification Method:

Protein A purification

CloneNo.:

242952C9

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, BxPC-3 cells, SH-SY5Y cells, RAW 264.7 cells, PC-12 cells, HEK-293T cells

Background Information

Chromogranin B is also named as Secretogranin-1, Sgl, CgB, CHGB and SCG1. CHGB, a secretory granule protein, inserts itself into membrane and forms a chloride-conducting channel (PMID: 30456382). Native CHGB distributes nearly equally in soluble and membrane-bound forms, and both reconstitute highly selective anion channels in membrane (PMID: 37435575). The calculated molecular weight of Chromogranin B is at 78kDa.

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

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

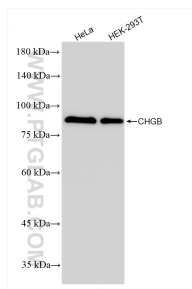
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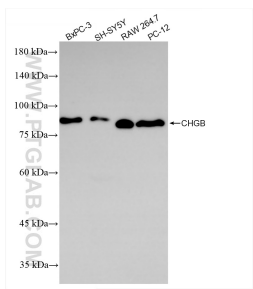
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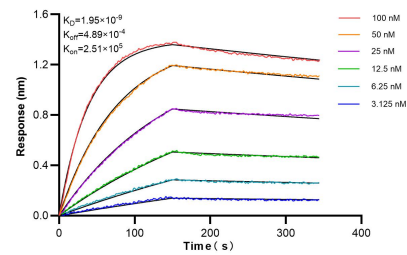
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85438-4-RR (CHGB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 85438-4-RR against Human CHGB were performed. The affinity constant is 1.95 nM.