

For Research Use Only

# MGEA5 Recombinant antibody

Catalog Number:84722-4-RR



## Basic Information

Catalog Number:

84722-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6405

GenBank Accession Number:

BC039583

GeneID (NCBI):

10724

UNIPROT ID:

O60502

Full Name:

meningioma expressed antigen 5  
(hyaluronidase)

Calculated MW:

103 kDa

Observed MW:

130-140 kDa

Purification Method:

Protein A purification

CloneNo.:

242263A6

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, JAR cells

## Background Information

Human meningioma-expressed antigen 5 (MGEA5) has two putative domains including protein O-GlcNAcase domain and histone acetyltransferase domain, therefore it is often called bifunctional protein NCOAT. Three isoforms of MGEA5 are produced by alternative splicing. MGEA5 was found to be regulated to reduce the state of glycosylation of transcriptional activators while increasing the acetylation of histones to allow for the concerted activation of eukaryotic gene transcription, for instance, acetylation of Lys8 of histone H4 and Lys 14 of histone H3 are resulted from acetyltransferase activity. In addition, single nucleotide polymorphism in MGEA5 is associated with type 2 diabetes in Mexican Americans. Two bands at 130kDa and 75 kDa could be detected using the present rabbit polyclonal antibody 14711-1-AP, which is consistent with results in a related reference (PubMed:11341771).

## 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:

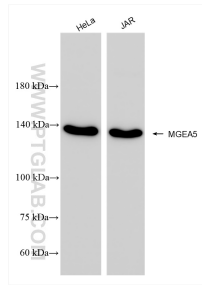
T: 4006900926

E: Proteintech-CN@ptglab.com

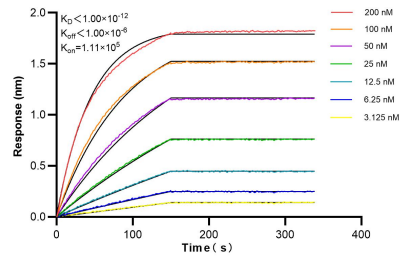
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84722-4-RR (MGEA5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84722-4-RR against Human MGEA5 were performed. The affinity constant is below 1 pM.