

# GBP3 Polyclonal antibody

Catalog Number: 30719-1-AP

## Basic Information

<b>Catalog Number:</b> 30719-1-AP	<b>GenBank Accession Number:</b> BC140837	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 2635	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HOR5	
<b>Isotype:</b> IgG	<b>Full Name:</b> guanylate binding protein 3	
<b>Immunogen Catalog Number:</b> AG33889	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> HUVEC cells, <b>IHC :</b> mouse cerebellum tissue, mouse lung tissue
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

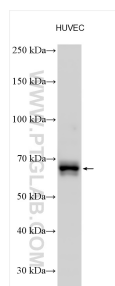
## Background Information

Guanylate-binding protein 3 (GBP3) is involved in the proliferation of glioma cells through regulating SQSTM1-ERK1/2 pathway. GBP3 has 2 isoforms, one is 595 amino acids long at 68 kDa and the other is at nearly 62 kDa.

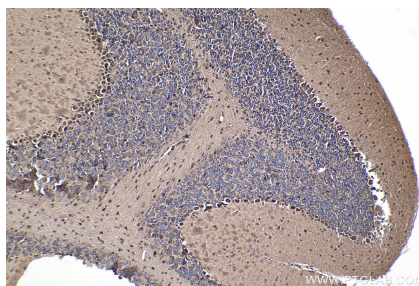
## Storage

**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

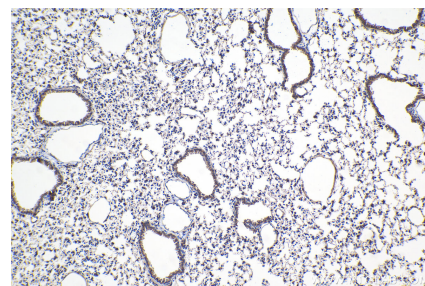
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30719-1-AP (GBP3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 30719-1-AP (GBP3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 30719-1-AP (GBP3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).