

## Glycoprotein G Polyclonal Antibody

Catalog No: #42591

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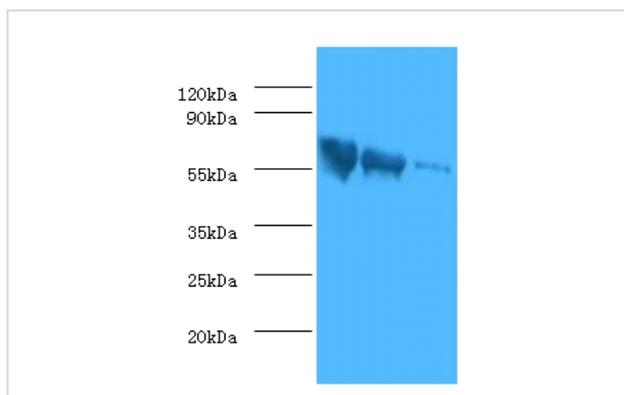
## Description

Product Name	Glycoprotein G Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Rabies virus
Specificity	The antibody detects endogenous level of total Glycoprotein G polyclonal antibody.
Immunogen Description	Recombinant Rabies virus Glycoprotein G protein
Target Name	Glycoprotein G
Other Names	Glycoprotein G
Accession No.	Swiss-Prot#: P03524
Uniprot	P03524
Calculated MW	58kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

## Application Details

Western blotting: □1:500 - 1:1000

## Images



All lanes: Rabies virus Glycoprotein G antibody at 1:500  
 Lane 1: Rabies virus antigen 1:2  
 Lane 2: Rabies virus antigen 1:10  
 Lane 3: Rabies virus antigen 1:20  
 secondary Goat polyclonal to rabbit at 1/10000 dilution  
 predicted band size :58kDa  
 observed band size :58kDa

## Background

Attaches the virus to host cellular receptor, inducing endocytosis of the virion. In the endosome, the acidic pH induces conformational changes in the glycoprotein trimer, which trigger fusion between virus and cell membrane. There is convincing in vitro evidence that the muscular form of the nicotinic acetylcholine receptor (nAChR), the neuronal cell adhesion molecule (NCAM), and the p75 neurotrophin receptor (p75NTR) bind glycoprotein G and thereby facilitate rabies virus entry into cells.

## References

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[1] Structure of the glycoprotein gene in rabies virus. Anilionis A., Wunner W.H., Curtis P.J. *Nature* 294:275-278(1981) [2] Amino acid sequence of the rabies virus glycoprotein deduced from its cloned gene. Anilionis A., Wunner W.H., Curtis P.J. *Comp. Immun*

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Note: This product is for in vitro research use only