

# CD59 Antibody

Catalog No: #32388

Package Size: #32388-1 50ul #32388-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

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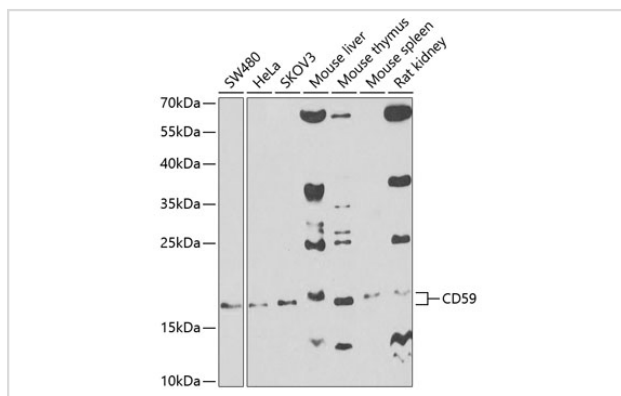
## Description

Product Name	CD59 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total CD59 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human CD59.
Target Name	CD59
Other Names	1F5; EJ16; EJ30; EL32; G344
Accession No.	Swiss-Prot:P13987NCBI Gene ID:966
Uniprot	P13987
GeneID	966;
SDS-PAGE MW	19KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

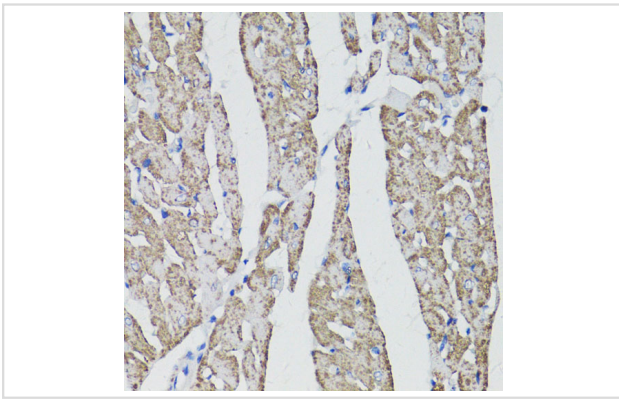
## Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:200

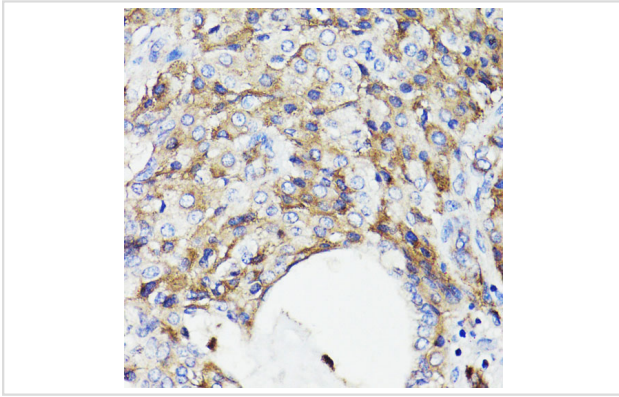
## Images



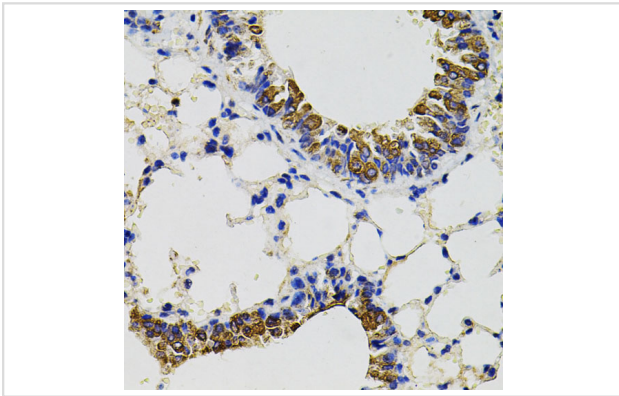
Western blot analysis of extracts of various cell lines, using CD59 at 1:500 dilution.



Immunohistochemistry of paraffin-embedded rat heart using CD59 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human lung cancer using CD59 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using CD59 (40x lens).

## Background

This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene.

Note: This product is for in vitro research use only