ELK Biotechnology

CD59 rabbit pAb

Cat No.:ES3982

For research use only

Overview

Product Name	CD59 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human CD59. AA range:51-100
Specificity	CD59 Polyclonal Antibody detects endogenous levels of CD59 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	CD59 glycoprotein
Gene Name	CD59
Cellular localization	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Soluble form found in a number of tissues.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	16kD
Human Gene ID	966
Human Swiss-Prot Number	P13987
Alternative Names	CD59; MIC11; MIN1; MIN2; MIN3; MSK21; CD59 glycoprotein; 1F5 antigen; 20 kDa homologous restriction factor; HRF-20; HRF20; MAC-inhibitory protein; MAC-IP;MEM43 antigen; Membrane attack complex inhibition factor; MACIF; Membrane inhibitor of reactive lysis
Background	This gene encodes a cell surface glycoprotein that

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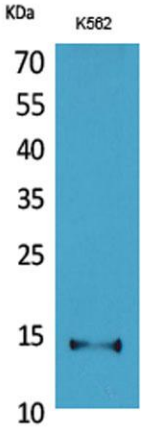
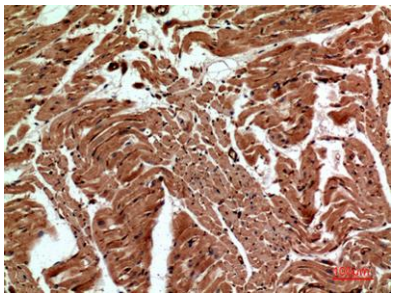
regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple 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. [provided by RefSeq, Jul 2008],



Western Blot analysis of K562 cells using CD59 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:100



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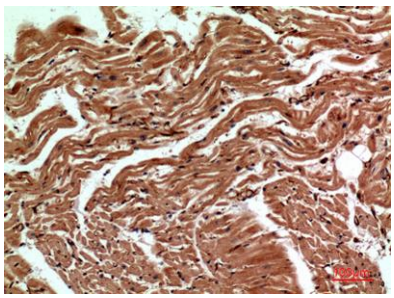
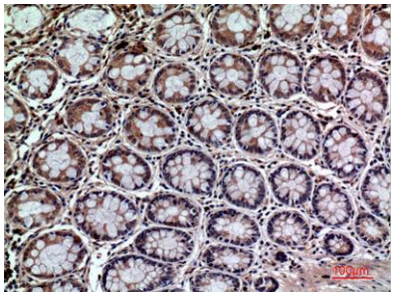
Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



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