

Datasheet for ABIN2855732
anti-CD55 antibody (Center)[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	CD55
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD55 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CD55. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to CD55 (CD55 Molecule, decay accelerating factor for complement (Cromer blood group)) CD55 antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	CD55
Alternative Name:	CD55 (CD55 Products)

Target Details

Background:	<p>This gene encodes a protein involved in the regulation of the complement cascade. The encoded glycoprotein is also known as the decay-accelerating factor (DAF), binding of DAF to complement proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. Antigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively spliced transcript produces a soluble protein present at much lower levels. Additional, alternatively spliced transcript variants have been described, but their biological validity has not been determined.</p> <p>Cellular Localization: Isoform 1: Membrane , Isoform 2: Cell membrane , GPI-anchor</p>
Molecular Weight:	41 kDa
Gene ID:	1604
Pathways:	Complement System , Regulation of Leukocyte Mediated Immunity

Application Details

Application Notes:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* Western blot1:500-1:3000*</p>
Comment:	Positive Control: K562 , THP-1
Restrictions:	For Research Use only

Handling

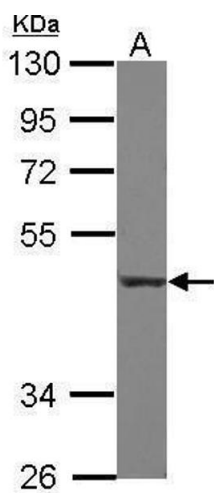
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw

cycles.

Publications

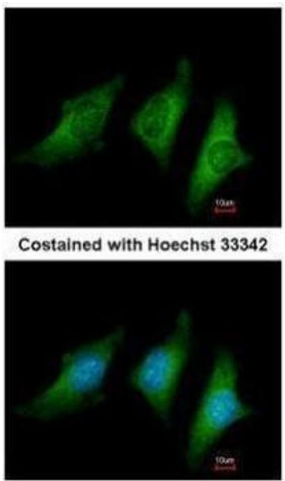
Product cited in: Alfonso-Pérez, Hayward, Holder, Gruneberg, Barr: "MAD1-dependent recruitment of CDK1-CCNB1 to kinetochores promotes spindle checkpoint signaling." in: **The Journal of cell biology**, Vol. 218, Issue 4, pp. 1108-1117, (2020) ([PubMed](#)).

Validation report #104394 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: THP-1 10% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

Image 2. ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using CD55, antibody at 1:200 dilution.

Western Blotting

Image 3. Development of multiple gene expression pigs with GT knock-out. a The newborn GT-(DAF/CD39/TFPI/C1-INH/TNFAIP3)/+ Massachusetts General Hospital (MGH) piglet delivered by Caesarean section. b Genotyping of the piglets by RT-PCR. Three of the multiple transgenic piglets were confirmed genetically with the three primer sets. PC positive control which is genomic DNA from cell line #2, NC negative control which is normal pig genomic DNA, 1, 2 and 3: genomic DNA from Knock-in pig #1, 2, and 3. c western blot analysis. The knock-in piglets expressed the multiple human genes like the constructed vector. NC negative control which is a normal pig, TG a newborn GT-(DAF/CD39/TFPI/C1-INH/TNFAIP3)/+ Massachusetts General Hospital (MGH) piglet. Red boxes represent the exact protein sizes - figure provided by CiteAb. Source: PMID27554374

