

Datasheet for ABIN5575708

anti-CNST antibody**1** Validation[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CNST
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CNST antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against partial recombinant Cnst.
Immunogen:	Recombinant GST fusion protein corresponding to 125 amino acids of mouse Cnst.
Sequence:	MAPEERRDSE DRVSKETEDY LHSLLERCLK DAEDSLSYED IQDDSDLLQ DLSPEEASYS LQEDLPPDES TSLDDLAKK IEIAEAIPAE GLVSILKKRN DTVGSHPAQM QQKPAKRRVR FQEID
Specificity:	Specific to recombinant protein GX2268. This antibody detects mC1orf71 protein.
Cross-Reactivity:	Mouse

Target Details

Target:	CNST
Alternative Name:	9630058J23Rik (CNST Products)
Background:	Full Gene Name: RIKEN cDNA 9630058J23 gene

Target Details

	Synonyms: MGC31547
Gene ID:	226744

Application Details

Application Notes:	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (50 % glycerol, 0.02 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot to avoid repeated freezing and thawing.



Successfully validated (Western Blotting (WB))

by [Christoffels Lab, Heart Failure Research Center, Academisch Medisch Centrum Amsterdam](#)

Report Number: 102674

Date: May 14 2018

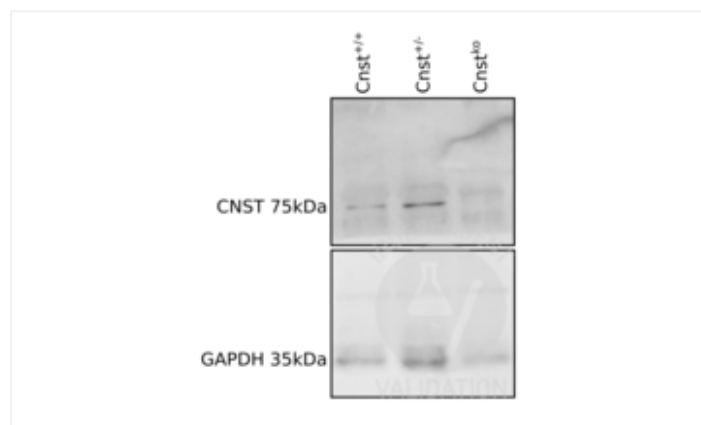
Target:	CNST
Lot Number:	BIAD001
Method validated:	Western Blotting (WB)
Positive Control:	Whole E13.5 wildtype mouse embryo protein lysate
Negative Control:	Whole E13.5 mouse embryo protein lysates homozygous for a null Cnst allele. This mouse line was generated using CRISPR/Cas9.
Notes:	Passed. ABIN5575708 specifically recognizes Cnst in whole embryo lysates.
Primary Antibody:	ABIN5575708
Secondary Antibody:	anti-rabbit HRP-conjugated antibody (GE Healthcare, NA934V, lot 9804671)
Protocol:	<ul style="list-style-type: none"> Isolate E13.5 mouse embryos in cold PBS and snap freeze with liquid nitrogen. Lyse each individual embryo in 300µl of cold RIPA buffer. Determine total protein content of the lysates using Pierce™ BCA Protein Assay Kit (Thermo Scientific, 23227, lot NA168207). Denature 5µg of total protein for 5min at 95°C in 20µl 2x Laemmli SDS buffer and subsequently separate them on a 10% denaturing acrylamide gel in a BIO-RADMini-PROTEAN 3 chamber for 1h at 180V. Transfer proteins onto PVDF membrane (Immobilon-P, Millipore) with a Western blotting system for 45min at 25V. Block the membrane with 5% Milk in TBST as blocking buffer for 1-2h at RT. Incubation with primary <ul style="list-style-type: none"> rabbit anti-Consorin antibody (antibodies-online, ABIN5575708, lot BIAD001) diluted 1:2000 in blocking buffer 5% milk ON at 4°C. mouse anti-GAPDH antibody (Santa Cruz, sc-365062, lot I0916) diluted 1:5000 in blocking buffer ON at 4°C. Wash membrane 5x for 15min with TBST. Incubation with secondary <ul style="list-style-type: none"> anti-rabbit HRP-conjugated antibody (GE Healthcare, NA934V, lot 9804671) diluted 1:2000 blocking buffer for 1-2h at RT. anti-mouse HRP-conjugated antibody (GE Healthcare, NA931V, lot 9800151) diluted 1:2000 in blocking buffer for 1-2h at RT.

Validation report #102674 for Western Blotting (WB)

- Wash membrane 5x for 15min with TBST.
- Reveal protein bands using ECL detection kit (GE Healthcare) on an ImageQuant LAS 4000 phosphoimaging unit (GE Healthcare).

Experimental Notes: The Consortin antibody ABIN5575708 reveals a protein of the expected molecular weight of antigen in lysates of whole E13.5 embryos. The protein bands is only visible in the positive but not the negative controls.

Image for Validation report #102674



Validation image no. 1 for anti-Consortin, Connexin Sorting Protein (CNST) antibody (ABIN5575708)

Western blot detection of consortin whole E13.5 mouse embryo lysates using ABIN5575708. Each lane represents one whole E13.5 embryo lysate of each specified genotype, with CNST at about 75kDa and control GAPDH at about 35kDa.