

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

Diatheva chicken anti mouse Pannexin1

RRID:AB_10013320

Type: Antibody

Proper Citation

Diatheva Cat# ANT0027, RRID:AB_10013320

Antibody Information

URL: http://antibodyregistry.org/AB_10013320

Proper Citation: Diatheva Cat# ANT0027, RRID:AB_10013320

Target Antigen: Panx1

Host Organism: chicken

Clonality: polyclonal

Comments: Note the vendor no longer seems to have this antibody. The polyclonal antibody is generated against a linear amino acids sequence corresponding to 135 to 165 of the intracytoplasmatic loop of the mouse Pannexin1

Antibody Name: Diatheva chicken anti mouse Pannexin1

Description: This polyclonal targets Panx1

Target Organism: mouse

Defining Citation: [PMID:16690210](#)

Antibody ID: AB_10013320

Vendor: Diatheva

Catalog Number: ANT0027

Record Creation Time: 20231110T081732+0000

Record Last Update: 20260901T050427+0000

Ratings and Alerts

No rating or validation information has been found for Diatheva chicken anti mouse Pannexin1.

Warning: Extracted Antibody Information: "The four Panx1 antibodies used in this study were (1) a commercial chicken anti-Panx1 (Diatheva ANT0027, denoted as CkDia, Diatheva, Fano, Italy; NIF antibody registry number: **AB_10013320**),"

Extracted Specificity Statement: "The Diatheva and Dahl antibodies were two of the five the authors claim to be non-**specific**. It has always been the case that **specificity** of antibodies, particularly when used on intact tissues, is hard if not impossible to prove. By these criteria, the results obtained in Western blots in the present study should cause us to discard our findings."

Data was mined by Antibody Watch (<https://arxiv.org/pdf/2008.01937.pdf>), from **PMID:23390418**

Note the vendor no longer seems to have this antibody. The polyclonal antibody is generated against a linear amino acids sequence corresponding to 135 to 165 of the intracytoplasmatic loop of the mouse Pannexin1 **Warning: Extracted Antibody Information:** "The four Panx1 antibodies used in this study were (1) a commercial chicken anti-Panx1 (Diatheva ANT0027, denoted as CkDia, Diatheva, Fano, Italy; NIF antibody registry number: **AB_10013320**),"

Extracted Specificity Statement: "For example, in the study of Panx1 knockout mice by Bargiotas et al. (2011) where in situ hybridization images of Panx1 KO brain tissue were devoid of staining for Panx1 transcripts, the authors state that only one antibody (Penuela et al., 2007) out of six tested showed **specificity** for Panx1 in Western blot of their knockout animals. The Diatheva and Dahl antibodies were two of the five the authors claim to be non-**specific**."

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Information: "The four Panx1 antibodies used in this study were (1) a commercial chicken anti-Panx1 (Diatheva ANT0027, denoted as CkDia, Diatheva, Fano, Italy; NIF antibody registry number: **AB_10013320**),"

Extracted Specificity Statement: "Tests of these antibodies on tissue lysates from two different Panx1 KO mice demonstrate that they recognize Panx1 bands, however additional bands are labeled in the KO for some of the antibodies and these vary between KO animals. Thus, it is still unclear whether differences seen between the four antibodies are due to different epitopes being recognized, non-**specificity**, or the presence of some residual Panx1 protein in KO tissues. Nevertheless, scientific papers continue to be published with these antibodies and/or these KO mouse models, so we discuss strategies for publishing this kind of data by recommending several standards."

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Extracted Specificity Statement: "The latter data suggest a crucial role for Panx1 in several cell death pathways in the nervous system (Bargiotas et al., 2009; MacVicar and Thompson, 2010), although a recent Panx1 KO mouse showed no morphological changes in brain slices by histological analysis or changes in IL-1 β from macrophages (Bargiotas et al., 2011). The authors stated in the on-line supporting information that five out of six commonly used anti-Panx1 antibodies tested on KO mouse tissue in Western blots were "non-**specific**," however no original data detailing protein **specificity** from these Western blots or immunofluorescence imaging was provided. It is possible that in actuality some tissues of that particular KO mouse still contain Panx1 protein or again, Western blots are not the only diagnostic to be trusted for Panxs."

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Extracted Specificity Statement: "We showed using Panx1 KO mice as a negative control (Figures 3B,C) that these four antibodies recognize Panx1 at its expected sizes as well as some sizes that are not yet explainable. There are some non-**specific** bands on some of the Western blots that do not disappear in the knock out tissue lysates consistently, as they are only present in some tissue samples. It is worth noting that Qiu et al."

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Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Cone AC, et al. (2013) A comparative antibody analysis of pannexin1 expression in four rat brain regions reveals varying subcellular localizations. Frontiers in pharmacology, 4, 6.