Trans Genic Inc.

Code No.KM107

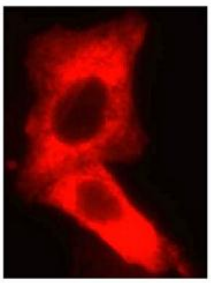
For research use only

Anti Zebrafish Ccd1 Polyclonal Antibody

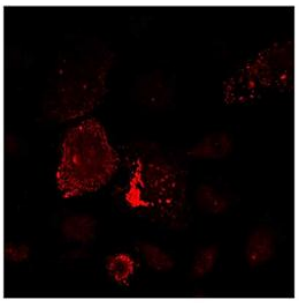
The novel zebrafish protein Ccd1 (Coiled-coil-DIX1) possesses a C-terminal DIX (Dishevelled-Axin) domain as well as an N-terminal coiled-coil domain. The DIX domain proteins Ccd1, Axin, and dishevelled (Dvl / Dsh) are important in Wnt signaling. Ccd1 forms a heteromeric complex with Axin and Dvl/Dsh and regulates neural patterning through Wnt pathway activation. This antibody presented here reacts with the coiled-coil domain of the Ccd1 isoforms Ccd1A, Ccd1B, Ccd1C.

（Brain Res Mol Brain Res., 2005 Apr 27; 135(1-2):169-80）.

Package Size	25µg (100µL/vial)
Format	Rabbit polyclonal antibody (0.25mg/mL)
Buffer	PBS [containing 2% Block Ace as a stabilizer, 0.1%Proclin as a bacteriostat]
Storage	Store below －20℃ Once thawed, store at 4℃. Repeated freeze-thaw cycles should be avoided.
Purification method	This antibody was established from the serum of a rabbit immunized with a peptide fragment of Ccd1. Purified by peptide affinity chromatography.
Working dilution	For Western blotting : 1.0µg/ml For Immnocytochemistry : 1.0～2.0µg/ml



A



B

Immnocytochemistry

Sample:

A) Zebrafish Ccd1-transfected Hela cells

B) Mouse Ccd1B-transfected Hela cells

Preparation of antibodies and instruction:
Masu M.
Shiomi K.
University of Tsukuba
Graduate School of Comprehensive Human Sciences

Code No.KM107

Anti Zebrafish Ccd1 Polyclonal Antibody

【Reference】

1. Shiomi K. et al.:
Ccd1, a novel protein with a DIX domain, is a positive regulator in the Wnt signaling during zebrafish neural patterning.
Curr Biol. 2003 Jan 8;13(1):73-7.
2. Shiomi K. et al.:
Identification and differential expression of multiple isoforms of mouse Coiled-coil-DIX1 (Ccd1), a positive regulator of Wnt signaling.
Brain Res Mol Brain Res. 2005 Apr 27;135(1-2):169-80.
3. Soma K. et al.:
Expression of mouse Coiled-coil-DIX1 (Ccd1), a positive regulator of Wnt signaling, during embryonic development.
Gene Expr Patterns. 2006 Mar;6(3):325-30.
4. Wong CK. et al.:
The DIX domain protein coiled-coil-DIX1 inhibits c-Jun N-terminal kinase activation by Axin and dishevelled through distinct mechanisms.
J Biol Chem. 2004 Sep 17;279(38):39366-73.

Manufacturer

Medicinal Chemistry Pharmaceutical Co., Ltd.

Kobe Research Institute
7-1-14 Minatojimaminami-machi, Chuo-ku, Kobe, Japan 650-0047
Telephone: +81-78-945-7075 FAX:+81-78-306-0694
URL:https://soyaku.co.jp/english/ tech-kobe@soyaku.co.jp

Previous manufacturer

Trans Genic Inc.