

# CHRDL2 Conjugated Antibody

Catalog No: #C37486

Package Size: #C37486-AF350 100ul #C37486-AF405 100ul #C37486-AF488 100ul #C37486-AF555 100ul #C37486-AF594 100ul #C37486-AF647 100ul #C37486-AF680 100ul #C37486-AF750 100ul #C37486-Biotin 100ul #C37486-Conjugated 50ul

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## Description

Product Name	CHRDL2 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	IHC $\alpha$ O ELISA,IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CHRDL2 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human chordin-like 2
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	BNF1; CHL2; FKSG37
Accession No.	Swiss-Prot#:Q6WN34NCBI Gene ID:25884NCBI mRNA#:NCBI Protein#:NP_001025482
Calculated MW	48
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

WB: 1:50-1:200

IF:1:50-1:200

## Background

CHRDL2 (chordin-related protein 2), also known as BNF1 (breast tumor novel factor 1) or CHL2 (chordin-like 2), is a 429 amino acid protein that belongs to the chordin family of proteins. CHRDL2 contains three VWFC (von Willebrand Factor type C) domains and is predominantly expressed in uterus and moderately expressed in prostate, liver, ovary, heart and testis. Due to alternative splicing events, CHRDL2 exists as five isoforms, namely isoform I, isoform II, isoform VII, isoform VIII and isoform IX. Two of these isoforms are secreted, while the other three localize to the cytoplasm. Functioning as a BMP-binding inhibitor, CHRDL2 directly interacts with BMPs and blocks their binding to BMP receptors, thereby inhibiting BMP activity. In breast, lung and colon tumors, CHRDL2 expression is upregulated, suggesting a possible role in tumorigenesis.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.