**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for AP50935PU-N

## C12orf29 (N-term) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | FC, IF, IHC, WB |
| **Recommended Dilution:** | **ELISA:** 1/1000.<br>**Western blot:** 1/100-1/500.<br>**Immunohistochemistry:** 1/50-1/100.<br>**Immunofluorescence:** 1/10-1/50.<br>**Flow Cytometry:** 1/10-1/50. |
| **Reactivity:** | Human, Mouse |
| **Host:** | Rabbit |
| **Isotype:** | Ig |
| **Clonality:** | Polyclonal |
| **Immunogen:** | KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of Human CL029 |
| **Specificity:** | This antibody recognizes CL029 (N-term) |
| **Formulation:** | PBS<br>State: Aff - Purified<br>State: Liquid purified Ig fraction<br>Preservative: 0.09% (W/V) Sodium Azide |
| **Concentration:** | lot specific |
| **Purification:** | Peptide Affinity Chromatography on Protein A |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Predicted Protein Size:** | 37490 Da |
| **Gene Name:** | chromosome 12 open reading frame 29 |
| **Database Link:** | Entrez Gene 91298 Human<br>Q8N999 |

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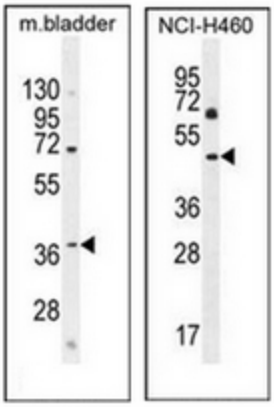
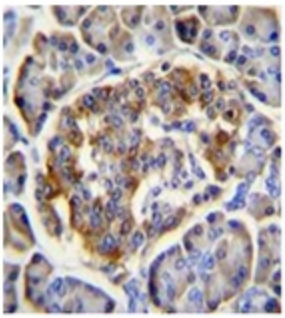
**Background:** Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms varying in severity depending on the extent of mosaicism and is most severe in cases of complete trisomy. The C12orf29 gene product has been provisionally designated C12orf29 pending further characterization.

**Synonyms:** DKFZp313K0436; DKFZp434N2030; DKFZp686L04169; FLJ38158; MGC102978

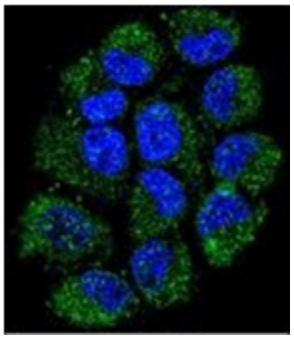
## Product images:



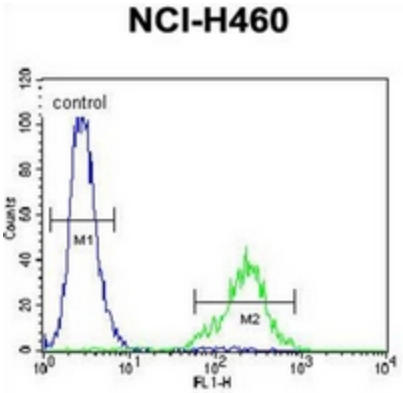

Western blot analysis in mouse bladder tissue (left) and NCI-H460 cell line (right) lysates (35ug/lane) using CL029 antibody (N-term). This demonstrates the CL029 antibody detected the CL029 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue using CL029 antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CL029 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis ofCL029 antibody (N-term) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-Rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).




Flow Cytometric analysis of NCI-H460 cells using CL029 antibody (N-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.