

Datasheet for ABIN951538
anti-C12ORF29 antibody (N-Term)



[Go to Product page](#)

4 Images

Overview

Quantity:	0.4 mL
Target:	C12ORF29
Binding Specificity:	AA 68-96, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C12ORF29 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of Human CL029 Genename: C12orf29
Isotype:	Ig Fraction
Specificity:	This antibody recognizes CL029 (N-term)
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse.
Purification:	Peptide Affinity Chromatography on Protein A

Target Details

Target:	C12ORF29
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Target Details

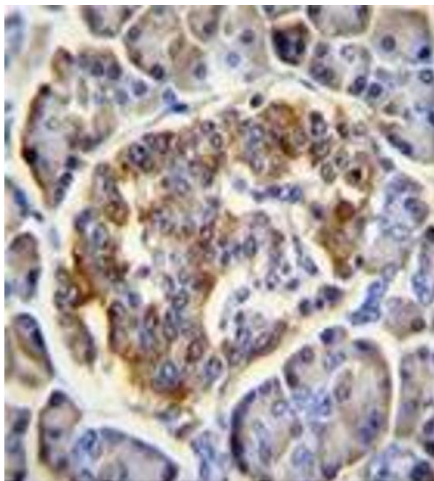
Alternative Name:	C12orf29 (C12ORF29 Products)
Background:	Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5 % of the human genome. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan 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.
Molecular Weight:	37490 Da
Gene ID:	91298
NCBI Accession:	NP_001009894

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

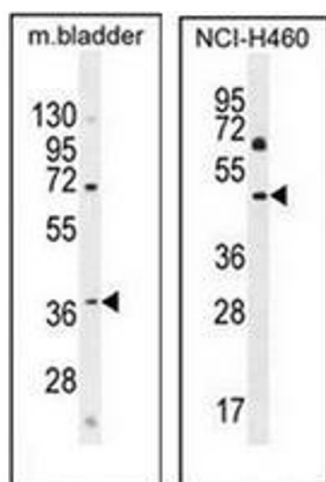
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



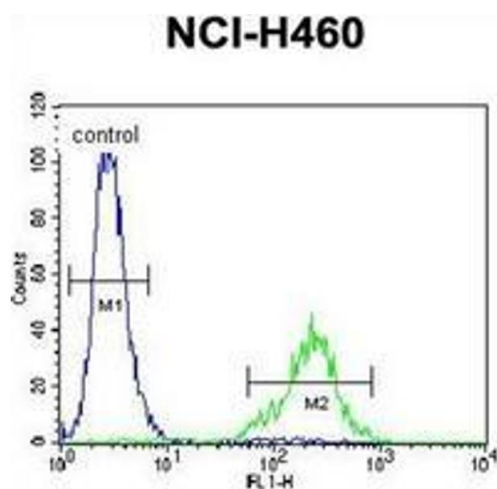
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. Western blot analysis in mouse bladder tissue (left) and NCI-H460 cell line (right) lysates (35ug/lane) using CL029 antibody (N-term) Cat.-No AP50935PU-N. This demonstrates the CL029 antibody detected the CL029 protein (arrow).



Flow Cytometry

Image 3. Flow Cytometric analysis of NCI-H460 cells using CL029 antibody (N-term) Cat.-No AP50935PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN951538.