Datasheet for ABIN715286

anti-CDH6 antibody (AA 281-380)

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Overview

Quantity:	100 µL
Target:	CDH6
Binding Specificity:	AA 281-380
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDH6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human K Cadherin
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CDH6
Alternative Name:	K Cadherin (CDH6 Products)
Background:	Synonyms: CAD6, KCAD, Cadherin-6, Kidney cadherin, K-cadherin, CDH6

Target Details

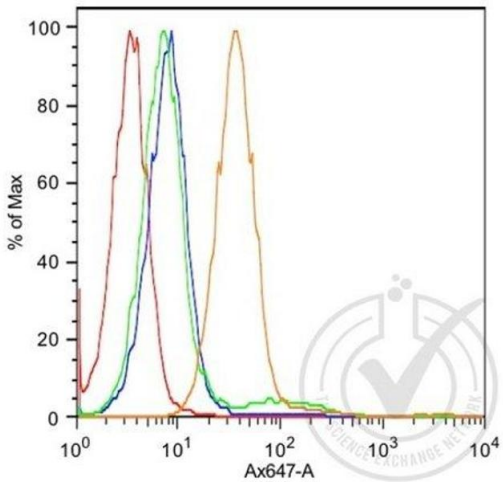
	Background: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells, cadherins may thus contribute to the sorting of heterogeneous cell types.
Gene ID:	1004
UniProt:	P55285
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100
Restrictions:	For Research Use only

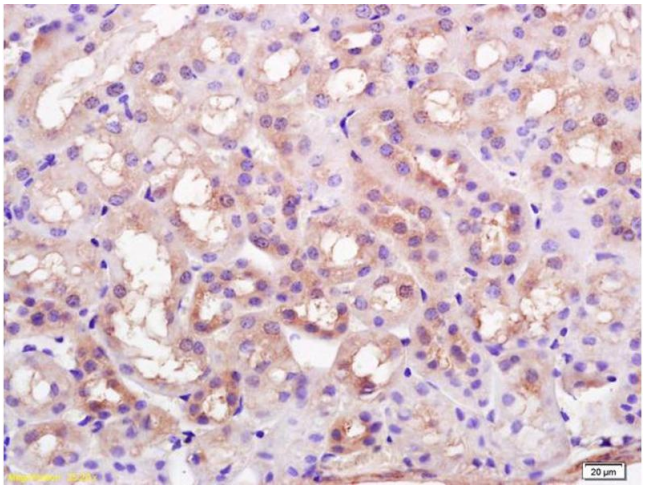
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



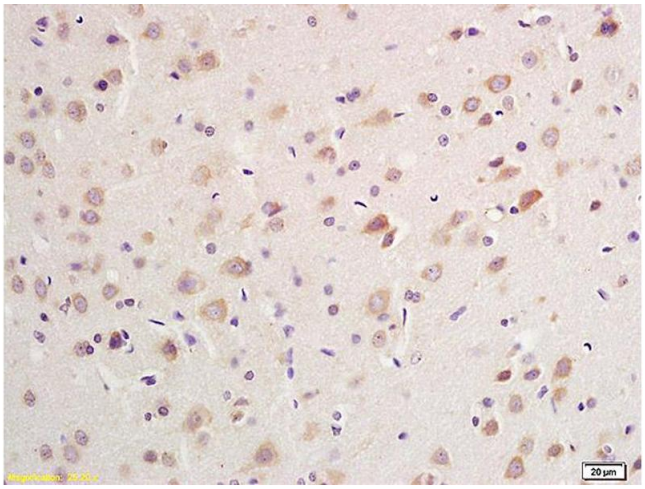
Flow Cytometry

Image 1. Images provided by the Independent Validation Program badge number 29743.Histogram of MCF-7 cells stained with Rabbit Anti-K-Cadherin Polyclonal Antibody at 1:100)(orange),isotype control antibody (green),secondary antibody only (blue) and unstained (red).



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat kidney labeled with Rabbit Anti K Cadherin Polyclonal Antibody, Unconjugated (ABIN715286) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat brain Rabbit Anti K Cadherin Polyclonal Antibody, Unconjugated (ABIN715286) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Successfully validated (Flow Cytometry (FACS))

by Flow Cytometry & Cell Separation Facility, Purdue University

Report Number: 029743

Date: Jul 01 2014

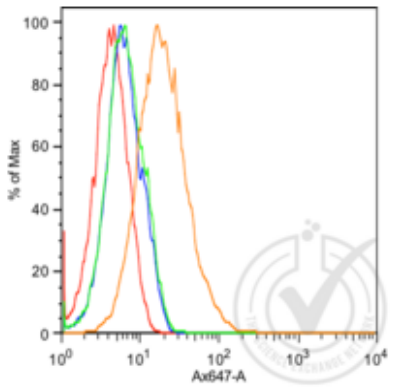
Lot Number:	130823
Method validated:	Flow Cytometry (FACS)
Positive Control:	786-O cells and [MCF-7 cells] (http://www.nature.com/bjc/journal/v90/n5/fig_tab/6601640f10.html#figure-title)
Notes:	As expected, strong signal was observed in the cells stained with anti-K-Cadherin (CDH6) antibody. A small amount of non-specific staining was observed from the isotype and secondary antibody only negative controls compared with unstained cells.
Primary Antibody:	- Antigen: K-Cadherin (CDH6) antibody - Catalog number: ABIN715286 - Supplier: Bioss - Supplier catalog number: bs-5823R - Lot number: 130823
Secondary Antibody:	- Antibody: Goat anti-rabbit IgG-Alexa 647 - Supplier: Jackson Immunoresearch - Catalog number: 712-606-150
Isotype:	- Antibody: Rabbit IgG - Catalog number: 3900S - Supplier: Cell Signaling Technology
Controls:	• Positive controls: 786-O cells (human renal cell carcinoma) and MCF-7 cells (human breast cancer) • Isotype control: Both cell lines treated with rabbit IgG instead of the primary antibody to confirm that primary antibody binding is specific. • Secondary only control: Both cell lines treated with Goat anti-rabbit IgG-Alexa 647 to confirm no background signal produced from secondary antibody alone
Protocol:	• Positive control cells were washed once with phosphate-buffered saline (PBS) and harvested with a non-enzymatic cell dissociation solution (Cellstripper, Mediatech, Inc). • Detached cells were washed twice and resuspended in 100 µL 1X PBS containing 0.5% BSA: - unstained cells - secondary antibody alone - 1 µg primary antibody - 1 µg isotype control antibody • Cells were incubated for 30 min on ice. • Labeled cells were washed twice in PBS containing 0.5% BSA. • Cells were resuspended with 1X PBS containing 0.5% BSA + 10% goat serum and incubated for 15 min at room temperature. • Goat anti-rabbit IgG-Alexa 647 secondary antibody (Jackson Immunoresearch) was added at

a 1:500 dilution. The cells were incubated for 30 min in the dark on ice.

- Labeled cells were washed twice in PBS containing 0.5% BSA.
- Propidium Iodide (PI) was added to discern live cells from dead cells.
- Cells were analyzed on a FACSAria III (BD Biosciences) using a red laser (640 nm excitation / 660 nm emission).

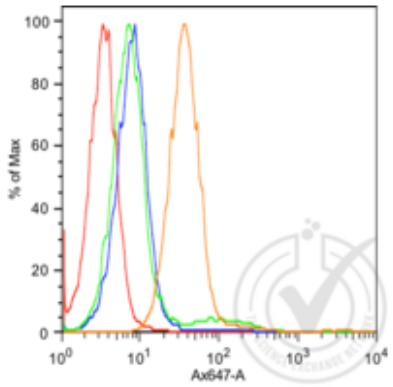
Experimental Notes:	- The data displayed is gated on PI negative cells.

Images for Validation report #029743



Validation image no. 1 for anti-K-Cadherin (CDH6) (AA 281-380) antibody (ABIN715286)

Figure 1. Histogram of 786-O cells stained with anti-K-cadherin (orange), isotype control antibody (green), secondary antibody only (blue) and unstained (red).



Validation image no. 2 for anti-K-Cadherin (CDH6) (AA 281-380) antibody (ABIN715286)

Figure 2. Histogram of MCF-7 cells stained with anti-K-cadherin (orange), isotype control antibody (green), secondary antibody only (blue) and unstained (red).