Datasheet for ABIN1574261

anti-Avi-Tag antibody

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Overview

Quantity:	40 µg
Target:	Avi-Tag
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Avi-Tag antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Avi peptide conjugated - KLH
Sequence:	GLNDIFEAQKIEWHE
Clone:	1D11D10
Isotype:	IgG2a
Specificity:	Avi Tag Antibody, mAb, Mouse recognizes C-terminal Avi tagged fusion proteins and slightly recognizes N-terminal Avi tagged fusion proteins in Western Blot.
Cross-Reactivity (Details):	Avi Tag Antibody, mAb, Mouse recognizes C-terminal Avi tagged fusion proteins and slightly recognizes N-terminal Avi tagged fusion proteins in Western Blot.
Purification:	Protein A affinity column

Target Details

Target:	Avi-Tag
Alternative Name:	Avi Tag (Avi-Tag Products)
Target Type:	Tag
Background:	Avi tag is a biotin-acceptor peptide, GLNDIFEAQKIEWHE. The 15-residue peptide served as a substrate mimic for biotin ligase (BirA), which usually recognizes the much larger protein domain. Avi Tag Antibody is a useful tool in analysis of Avi fusion proteins.

Application Details

Application Notes:	Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product. Western blot: 0.2-1 µg/mL FACS: 1-3 µg for 1 x 106 cells ICC/IF: 1-3 µg/mL ELISA: 0.02-0.05 µg/mL
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4, containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Storage:	4 °C/-20 °C
Storage Comment:	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Publications

Product cited in:

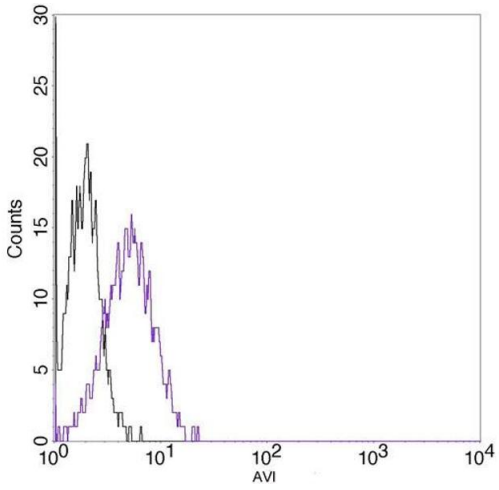
Zhao, Chen, Li, Wei, Tong, Jia, Kong, Xia, Dai: "SC-III3, a novel scopoletin derivative, induces cytotoxicity in hepatocellular cancer cells through oxidative DNA damage and ataxia telangiectasia-mutated nuclear protein kinase activation." in: **BMC cancer**, Vol. 14, pp. 987, (2015) (PubMed).

Wang, Chen, Li, Liu, Zhang, Xia, Yu, You, Xiang, Lu, Yao, Borjigin, Yang, Wangensteen, He, Wang, Hu: "Reversal of hepatocyte senescence after continuous in vivo cell proliferation." in: **Hepatology (Baltimore, Md.)**, Vol. 60, Issue 1, pp. 349-61, (2014) (PubMed).

Zhang, Yang, Jia, Liu, Guo, Lu, Chen, Ma, Wang, Zhou: "ISL-1 is overexpressed in non-Hodgkin lymphoma and promotes lymphoma cell proliferation by forming a p-STAT3/p-c-Jun/ISL-1 complex." in: **Molecular cancer**, Vol. 13, pp. 181, (2014) (PubMed).

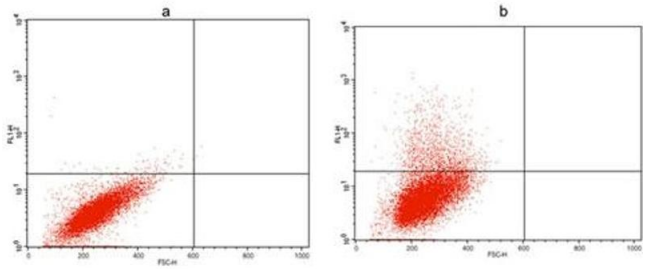
Nakai, Yoneda, Hosokawa, Moriue, Presland, Fallon, Kabashima, Kosaka, Kubota: "Reduced expression of epidermal growth factor receptor, E-cadherin, and occludin in the skin of flaky tail mice is due to filaggrin and loricrin deficiencies." in: **The American journal of pathology**, Vol. 181, Issue 3, pp. 969-77, (2012) (PubMed).

Images



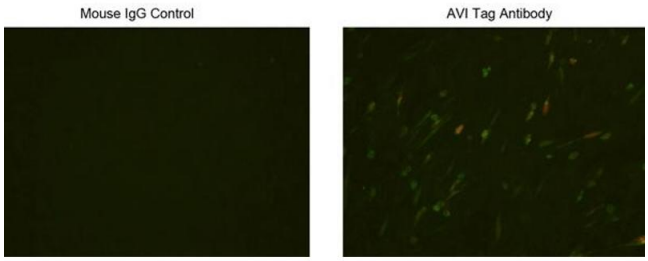
Flow Cytometry

Image 1. Flow cytometric analysis of non-transfected CHO cells (a) and Avi fusion protein transfeced CHO cells (b) using Avi Antibody (ABIN1574261). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



Flow Cytometry

Image 2. Flow cytometric analysis of non-transfected CHO cells (a) and Avi fusion protein transfeced CHO cells (b) using Avi Antibody (ABIN1574261). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



Immunocytochemistry

Image 3. Immunocytochemistry/Immunofluorescence analysis of Avi tagged protein transfeced CHO cells using Avi Tag Antibody, (ABIN1574261) and Mouse IgG Control (ABIN398652). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.

Please check the product details page for more images. Overall 5 images are available for ABIN1574261.