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Datasheet for ABIN349703 anti-EpCAM antibody

4 Images

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Overview

Quantity:	0.1 mg
Target:	EpCAM (EPCAM)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This EpCAM antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Immunogen:	Human breast cancer MCF-7 cells
Clone:	323-A3
Isotype:	lgG1
Specificity:	The mouse monoclonal antibody 323/A3 recognizes an extracellular epitope of CD326 / EpCAM, a marker of epithelial lineages, that is over-expressed in many carcinomas.
No Cross-Reactivity:	Rat
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

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Target Details	
Target:	EpCAM (EPCAM)
Alternative Name:	CD326 / EpCAM (EPCAM Products)
Background:	Epithelial cell adhesion molecule,CD326 / EpCAM (also known as ESA, EGP40, EGP-2, KSA1/4, CO17-1A, GA733-2, MOC31, Ber-EP4) is a 40 kDa transmembrane glycoprotein serving as adhesion molecule in the basolateral membranes in a variety of epithelial cells. CD326 mediates calcium-independent homotypic cell-cell adhesions. CD326 over-expression has been detected in many epithelial tumours and is often associated with bad prognosis. It has been used for diagnostics of (pre-) malignancies at early stages.,EPCAM, GA733-2, EGP314, KSA, KS 1/4 antigen, Trop-1, M4S1, DIAR5, MIC18, TROP1
Gene ID:	4072
UniProt:	P16422

Application Details

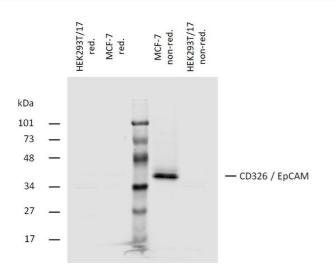
Application Notes:	Western blotting: Non-reducing conditions, recommended dilution: 1-2 µg/mL, positive control:
	MCF-7 cells.
	Immunoprecipitation: Recommended dilution: 1-4 μg / ml per 100-500 μg of protein in 1 mL
	lysate.
	Immunohistochemistry (paraffin sections): Recommended dilution: 1-10 μ g/mL, pretreatment:
	tissue section digestion with pepsin (15 min at RT or 10 min at 37 °C, 1 mg / ml Tris-HCl, pH
	2.0), positive tissue: breast carcinoma.
	Immunocytochemistry: Recommended dilution: 1-10 µg/mL.
	Flow cytometry: Recommended dilution: 1-4 μ g/mL.
Restrictions:	For Research Use only

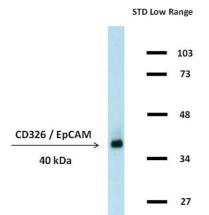
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM 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:	Do not freeze.

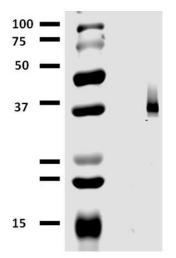
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Western Blotting

Image 1. Western blotting analysis of human CD326 (EpCAM) using mouse monoclonal antibody 323/A3 on lysates of MCF-7 cell line and HEK293T/17 cell line (CD326 non-expressing cell line, negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 μ g/mL of mouse anti-CD326 monoclonal antibody 323/A3 followed by IRDye800-conjugated antimouse IgG1 secondary antibody. A specific band was detected for CD326 protein at approximately 40 kDa.

Western Blotting

Image 2. Western blotting analysis (non-reducing conditions) of whole cell lysate of MCF-7 human breast adenocarcinoma cell line using anti-CD326 / EpCAM (323/A3).

Western Blotting

Image 3. Western blotting analysis (non-reducing conditions) of whole cell lysate of MCF-7 human breast adenocarcinoma cell line using anti-CD326 / EpCAM (323/A3).

Please check the product details page for more images. Overall 4 images are available for ABIN349703.

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