Datasheet for ABIN969073

anti-Cortactin antibody

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Overview

Quantity:	100 µL
Target:	Cortactin (CTTN)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cortactin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human CTTN expressed in E. coli.
Clone:	4C6
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Cortactin (CTTN)
Alternative Name:	CTTN (CTTN Products)
Background:	Description: This gene is overexpressed in breast cancer and squamous cell carcinomas of the head and neck. The encoded protein is localized in the cytoplasm and in areas of the cell-substratum contacts. This gene has two roles: (1) regulating the interactions between components of adherens-type junctions and (2) organizing the cytoskeleton and cell adhesion

Target Details

	structures of epithelia and carcinoma cells. During apoptosis, the encoded protein is degraded in a caspase-dependent manner. The aberrant regulation of this gene contributes to tumor cell invasion and metastasis. Three splice variants that encode different isoforms have been identified for this gene. (provided by RefSeq) Aliases: EMS1, FLJ34459, CTTN
Molecular Weight:	80 kDa
Gene ID:	2017
HGNC:	2017
Pathways:	MAPK Signaling

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000
Restrictions:	For Research Use only

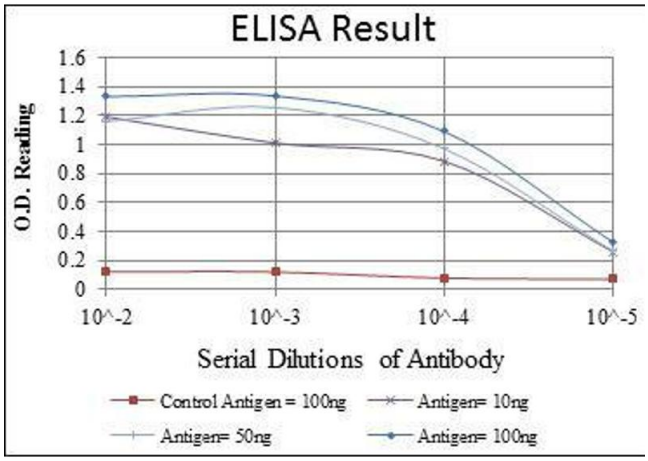
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

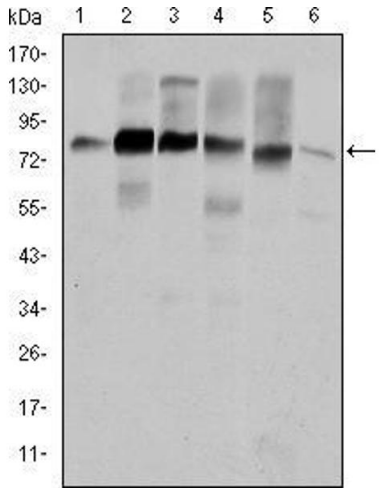
Product cited in:	Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) (PubMed). Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) (PubMed).

Images



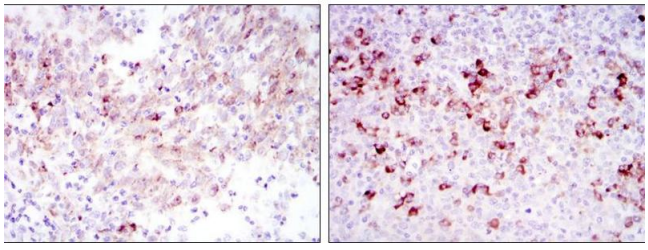
ELISA

Image 1. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using CTTN mouse mAb against Hela (1), A431 (2), MCF-7 (3), SR-BR-3 (4), HepG2 (5) and NIH/3T3 (6) cell lysate.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded cervical cancer tissues (left) and tonsil tissues (right) using CTTN mouse mAb with DAB staining.