Datasheet for ABIN969047

anti-CEA antibody

3 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	CEA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human CEA expressed in E. coli.
Clone:	1C7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CEA
Alternative Name:	CEA (CEA Products)
Background:	Description: Carcino Embryonic Antigen (CEA) is synthesised during development in the fetal gut, and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. Antibodies to CEA are useful in identifying the origin of various metastatic adenocarcinomas and in distinguishing pulmonary adenocarcinomas (60 to 70 % are CEA+) from pleural mesotheliomas (rarely or weakly CEA+).The carcinoembryonic antigen (CEA) is a

Target Details

	member of a large family of glycoproteins and a useful tumor marker for adenocarcinoma.Tissue specificity: Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon. Aliases: CEA, CD66e, DKFZp781M2392, CEACAM5
Molecular Weight:	77 kDa
Gene ID:	1048
HGNC:	1048

Application Details

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

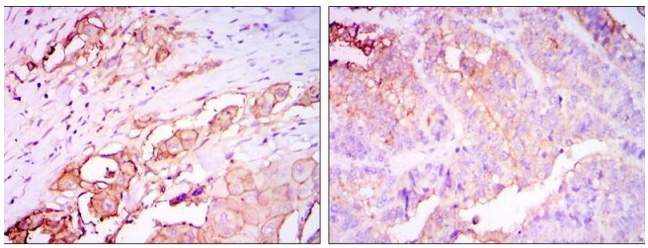
Handling

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

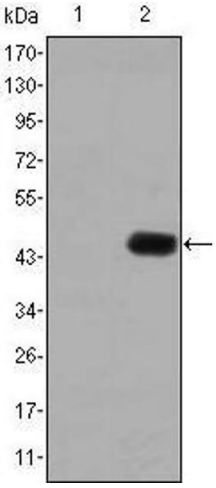
Product cited in:	Durkin, Guo, Fryrear, Mihaylova, Gupta, Belgnaoui, Haoudi, Kupfer, Semmes: "HTLV-1 Tax oncoprotein subverts the cellular DNA damage response via binding to DNA-dependent protein kinase." in: **The Journal of biological chemistry**, Vol. 283, Issue 52, pp. 36311-20, (2008) (PubMed). Huston, Lynch, Mohamed, Collins, Hill, MacLeod, Krause, Baillie, Houslay: "EPAC and PKA allow cAMP dual control over DNA-PK nuclear translocation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 35, pp. 12791-6, (2008) (PubMed).

Images



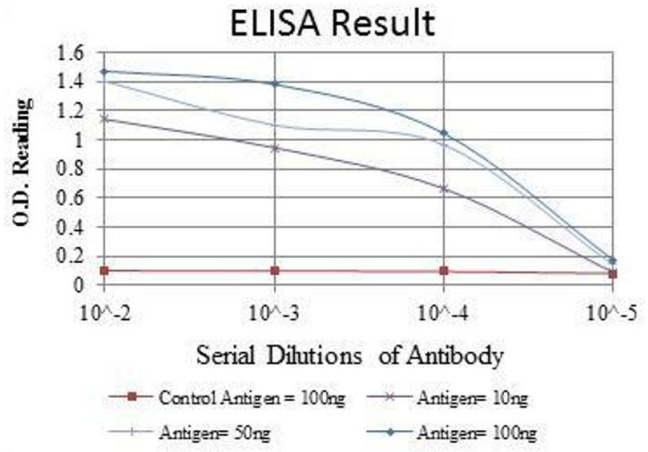
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rectum cancer tissues (left) and stomach cancer tissues (right) using CEA mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using CEA mAb against HEK293 (1) and CEA(AA: 460-600)-hIgGFc transfected HEK293 (2) cell lysate.



ELISA

Image 3. Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),