

CEACAM1 Antibody

Catalog No: #31056

Package Size: #31056-1 50ul #31056-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	CEACAM1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CEACAM1 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to a region derived from 145-413 amino acids of human carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
Target Name	CEACAM1
Other Names	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein), BGP, BGP1, BGPI
Accession No.	Swiss-Prot:P13688Gene ID:634;
Uniprot	P13688
GeneID	634;
Concentration	0.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

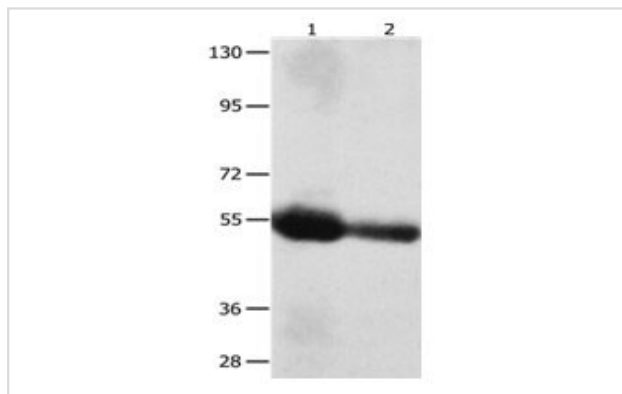
Predicted MW: 51kd

ELISA: 1:1000-1:5000

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:15-1:50

Images



Gel: 10%SDS-PAGE

Lane1: Human liver cancer tissue lysate

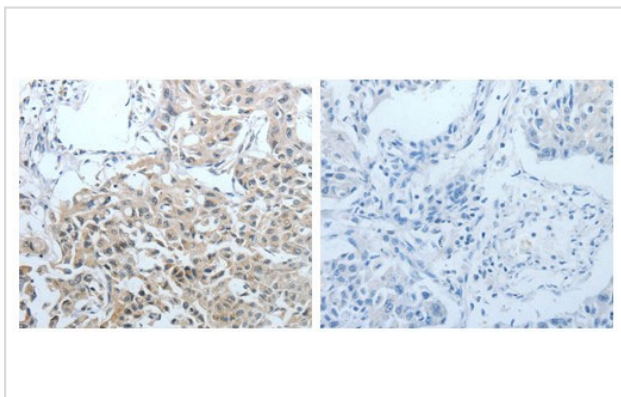
Lane2: Human bladder carcinoma tissue lysate

Lysates: 60 ug per lane

Primary antibody: 1/400 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded human lung cancer tissue using 31056 (CEACAM1 Antibody) at dilution 1/25, on the right is treated with the fusion protein.

Background

This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses.

Note: This product is for in vitro research use only