

Product Datasheet

Biliary glycoprotein 1 Antibody / BGP-1 / CEACAM1 (orb3066832)

Catalog Number	orb3066832
Category	Antibodies
Description	Carcinoembryonic antigen (CEA) is one of the most commonly used tumor markers in serum immunoassay determinations of carcinoma. Members of the CEACAM (carcinoembryonic antigen-related cell adhesion molecule) family contain a single N domain, with structural homology to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constantlike A and/or B domains. CEACAM1 (carcinoembryonic antigen-related cell adhesion molecule 1), also known as BGP or BGP1, is a 526 amino acid protein that exists as seven alternatively spliced isoforms, some of which localize to the cell membranes, while others are secreted. One of several members of the CEACAM family, CEACAM1 contains one Ig-like V-type domain and three Ig-like C2-type domains and is thought to play a role in a variety of cellular activities, including angiogenesis, apoptosis, arrangement of tissue threedimensional structure and modulation of innate and adaptive immune responses. Additionally, CEACAM1 is underexpressed in colorectal cancers, suggesting a role in tumor suppression.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin, 0.05% sodium azide
Purification	Protein G affinity

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Immunogen	A portion of amino acids 50-250 from human CEACAM1 protein was used as the immunogen for the Biliary glycoprotein 1 antibody.
UniProt ID	P13688
Tested applications	IHC-P, WB
Dilution range	Western blot: 2-4ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the Biliary glycoprotein 1 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	CEACAM1/12665
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

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