

CD66c Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58364**Specification**

CD66c Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P40199
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CD66c/CEACAM6
Epitope Specificity	165-260/344
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Lipid-anchor, GPI-anchor.
SIMILARITY	Belongs to the immunoglobulin superfamily. CEA family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
SUBUNIT	Homodimer. Binding of E.coli Dr adhesins leads to dissociation of the homodimer.
Post-translational modifications	Complex immunoreactive glycoprotein with a MW of 180 kDa comprising 60% carbohydrate.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

CEA-related cell adhesion molecules (CEACAM) belong to the carcinoembryonic antigen (CEA) family. It consists of seven CEACAM (CEACAM 1, CEACAM 3-CEACAM 8) and 11 pregnancy-specific glyco-protein (PSG 1-PSG 11) members. The CEA family proteins belong to the immunoglobulin (Ig) superfamily and are composed of one Ig variable-like (IgV) and a varying number (0-6) of Ig constant-like (IgC) domains. CEACAM molecules are membrane-bound either via a transmembrane domain or a glycosyl phosphatidyl inositol (GPI) anchor. CEACAM molecules are differentially expressed in epithelial cells or in leucocytes. Over-expression of CEA/ CEACAM 5 in tumors of epithelial origin is the basis of its wide-spread use as a tumor marker. The function of CEACAM family members varies widely: they function as cell adhesion molecules, tumor suppressors, regulators of lymphocyte and dendritic cell activation, receptors of Neisseria species and other bacteria.

CD66c Polyclonal Antibody - Additional Information

Gene ID 4680**Other Names**

Carcinoembryonic antigen-related cell adhesion molecule 6, Non-specific crossreacting antigen, Normal cross-reacting antigen, CD66c, CEACAM6, NCA

Target/Specificity

Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

Dilution

WB~1:1000
IHC-P~N/A
IHC-F~N/A
IF~1:50~200
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CD66c Polyclonal Antibody - Protein Information

Name CEACAM6 ([HGNC:1818](#))

Function

Cell surface glycoprotein that plays a role in cell adhesion and tumor progression (PubMed:[10910050](http://www.uniprot.org/citations/10910050), PubMed:[11590190](http://www.uniprot.org/citations/11590190), PubMed:[1378450](http://www.uniprot.org/citations/1378450), PubMed:[16204051](http://www.uniprot.org/citations/16204051), PubMed:[2022629](http://www.uniprot.org/citations/2022629), PubMed:[2803308](http://www.uniprot.org/citations/2803308), PubMed:[8776764](http://www.uniprot.org/citations/8776764)). Intercellular adhesion occurs in a calcium- and fibronectin-independent manner (PubMed:[16204051](http://www.uniprot.org/citations/16204051), PubMed:[2022629](http://www.uniprot.org/citations/2022629)). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8 (PubMed:[11590190](http://www.uniprot.org/citations/11590190), PubMed:[16204051](http://www.uniprot.org/citations/16204051), PubMed:[2022629](http://www.uniprot.org/citations/2022629), PubMed:[2803308](http://www.uniprot.org/citations/2803308), PubMed:[8776764](http://www.uniprot.org/citations/8776764)). Heterophilic interaction with CEACAM8 occurs in activated neutrophils (PubMed:[8776764](http://www.uniprot.org/citations/8776764)). Plays a role in neutrophil adhesion to cytokine-activated endothelial cells (PubMed:[1378450](http://www.uniprot.org/citations/1378450)). Plays a role in cell migration and cell adhesion to endothelial cells (PubMed:[16204051](http://www.uniprot.org/citations/16204051)).

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor. Apical cell membrane. Cell surface. Note=Localized to the apical glycocalyx surface.

Tissue Location

Expressed in neutrophils (PubMed:1378450). Expressed in columnar epithelial and goblet cells of the colon (PubMed:10436421). Expressed in numerous tumor cell lines (at protein level) (PubMed:16204051).

CD66c Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD66c Polyclonal Antibody - Images