

Rabbit CEACAM5 Polyclonal Antibody | anti-CEACAM5 antibody

Anti-CEACAM5 Antibody

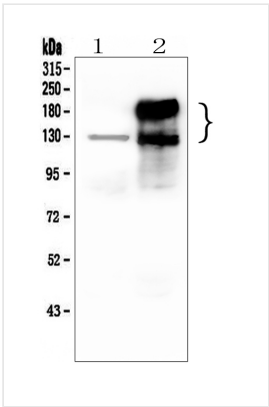
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19192	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

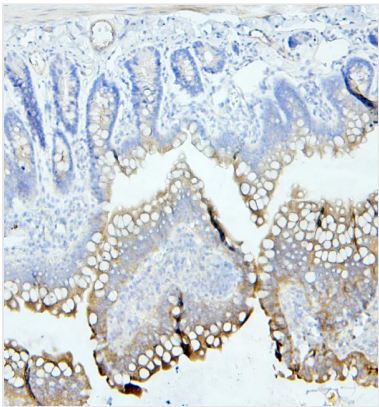
CEACAM5; Polyclonal Antibody; Anti-CEACAM5 Antibody; Carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen; CEA; Meconium antigen 100; CD66e; anti-CEACAM5 antibody

PRODUCT SPECIFICATIONS

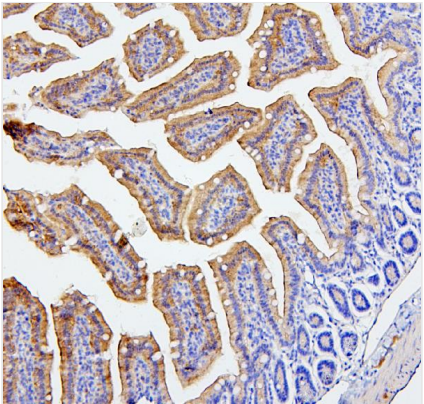
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	702
Applicable Applications for anti-CEACAM5 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA (Direct ELISA)
Application Notes	WB: 0.25-0.5ug/ml (Human) IHC-P (Embedded Section): 0.5-1ug/ml (Human, Mouse, Rat) Direct ELISA: 0.1-0.5ug/ml (Human) Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections.
Immunogen	E Coli-derived human CEACAM5 recombinant protein (Position: K35-N650).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.



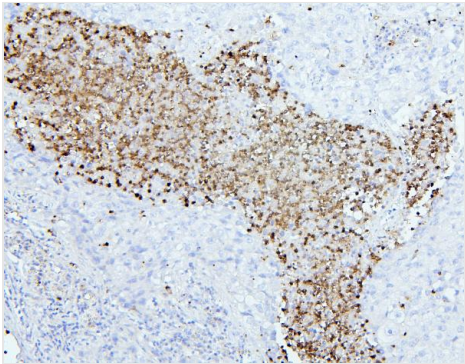
WB (Western Blot)



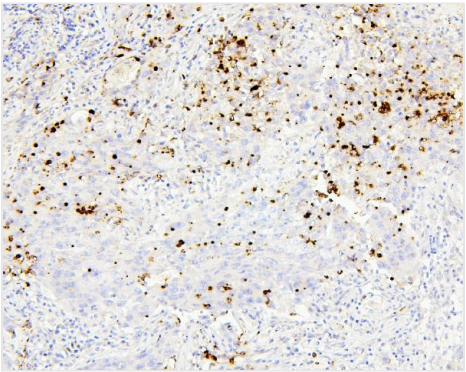
IHC (Immunohistochemistry)



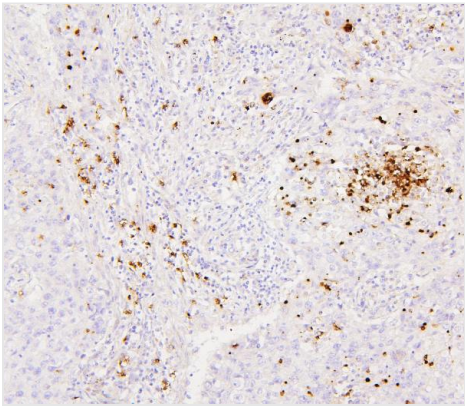
IHC (Immunohistochemistry)



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ADDITIONAL INFORMATION

Related Product Information for anti-CEACAM5 antibody

Description: Rabbit IgG polyclonal antibody for CEACAM5 detection. Tested with WB, IHC-P, Direct ELISA in Human; Mouse; Rat.

Background: CEA(Carcinoembryonic antigen) is a glycoprotein involved in cell adhesion. It is normally produced during fetal development, but the production of CEA stops before birth. Therefore, it is not usually present in the blood of healthy adults, although levels are raised in heavy smokers. CEA is a glycosyl phosphatidyl inositol(GPI)-cell surface anchored glycoprotein whose specialized sialofucosylated glycoforms serve as functional colon carcinoma L-selectin and E-selectin ligands, which may be critical to the metastatic dissemination of colon carcinoma cells. CEA and related genes make up the CEA family belonging to the immunoglobulin superfamily. In humans, the carcinoembryonic antigen family consists of 29 genes, 18 of which are normally expressed.

References	1. Barnett, T.; Goebel, S. J.; Nothdurft, M. A.; Elting, J. J. : Carcinoembryonic antigen family: characterization of cDNAs coding for NCA and CEA and suggestion of nonrandom sequence variation in their conserved loop-domains. Genomics 3: 59-66, 1988. 2. Gold, P.; Freedman, S. O. : Demonstration of tumor-specific antigens in human colonic carcinomata by immunological tolerance and absorption techniques. J. Exp. Med. 121: 439-462, 1965.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373456
NCBI GeneID	1048
UniProt Accession #	P06731
NCBI Official Full Name	Carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Synonym Full Names	CEA cell adhesion molecule 5
NCBI Official Symbol	CEACAM5
NCBI Official Synonym Symbols	CEA; CD66e
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ceacam5-antibody-western-blot-immunohistochemistry-direct-elisa-elisa/19192>