Product datasheet for TA355234

Carbonic Anhydrase IX (CA9) Mouse Monoclonal Antibody [Clone ID: TH22]

Product data:

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Product Type:	Primary Antibodies
Clone Name:	TH22
Applications:	IHC
Recommended Dilution:	1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to 118 amino acids of the human Carbonic Anhydrase IX molecule
Specificity:	Human carbonic anhydrase IX.
Formulation:	Liquid tissue culture supernatant containing 15 mM sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	carbonic anhydrase 9
Database Link:	Entrez Gene 768 Human Q16790
Background:	Carbonic anhydrase (CA) is an enzyme that assists rapid interconversion of carbon dioxide and water into carbonic acid, protons, and bicarbonate ions. Originally named MN/G250, carbonic anhydrase IX (CAIX) is a cell surface transmembrane protein, which is predominantly found in the gastrointestinal tract and gallbladder. The glandular regions of normal colon are reported to be negative, but in the case of adenocarcinoma, the glands are positive. CAIX is also reported to be expressed in common epithelial tumors such as carcinomas of the esophagus, lung, colon, kidney, cervix and non-small cell lung carcinoma.In breast carcinomas, CAIX expression has been reported to be associated with malignant tissue. Expression of CAIX is reported to be absent in normal kidney, chromophobe carcinomas or oncocytomas; however, it is specifically expressed in clear cell renal carcinomas.

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Synonyms: CA-IX; CAIX; G250; MN; P54/58N; pMW1

Product images:
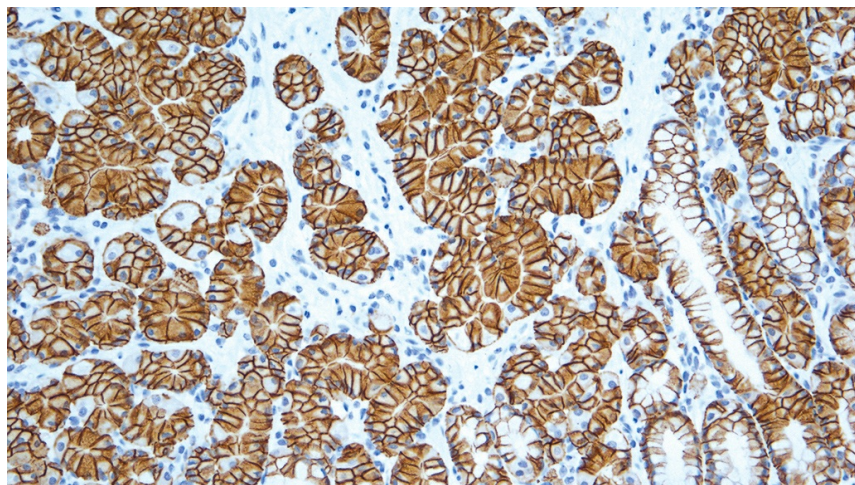
Human stomach: immunohistochemical staining for Carbonic Anhydrase IX. Note intense membrane and cytoplasmic staining of the deep glands. Carbonic Anhydrase IX: clone TH22