

Product datasheet for **TA322079**

ACMSD Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 15-50 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	aminocarboxymuconate semialdehyde decarboxylase
Database Link:	NP_612199 Entrez Gene 266645 Mouse Entrez Gene 130013 Human Q8TDX5
Background:	The neuronal excitotoxin quinolinate is an intermediate in the de novo synthesis pathway of NAD from tryptophan, and has been implicated in the pathogenesis of several neurodegenerative disorders. Quinolinate is derived from alpha-amino-beta-carboxymuconate-epsilon-semialdehyde (ACMS). ACMSD (ACMS decarboxylase; EC 4.1.1.45) can divert ACMS to a benign catabolite and thus prevent the accumulation of quinolinate from ACMS.
Synonyms:	2-amino-3-carboxymuconate-6-semialdehyde decarboxylase; aminocarboxymuconate semialdehyde decarboxylase; OTTHUMP00000162500

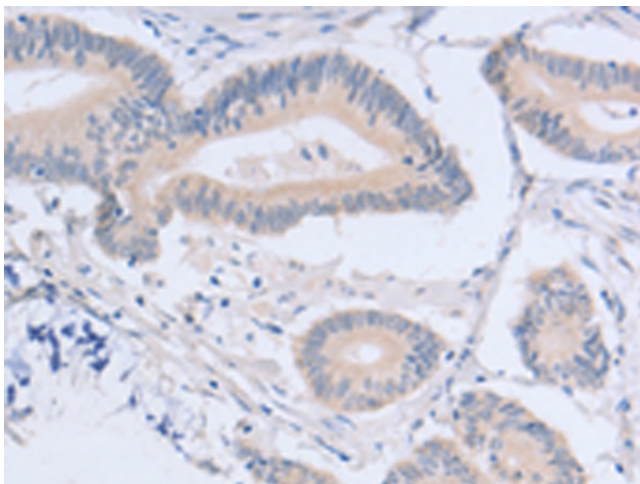


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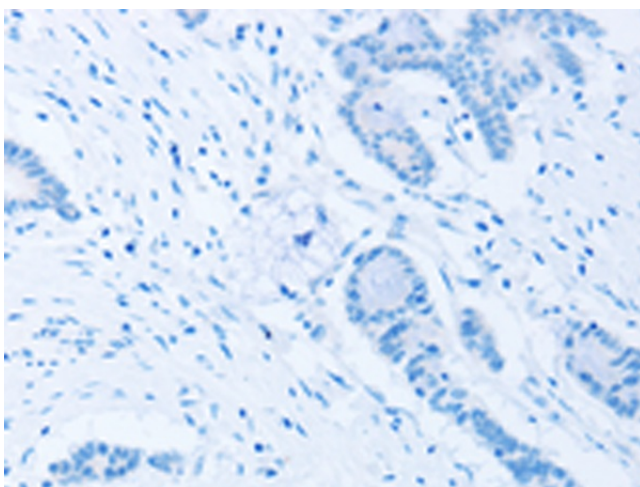
Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, Tryptophan metabolism

Product images:



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322079 (ACMSD Antibody) at dilution 1/15 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322079 (ACMSD Antibody) at dilution 1/15, treated with fusion protein. (Original magnification: $\times 200$)