

Product datasheet for **TA349787**

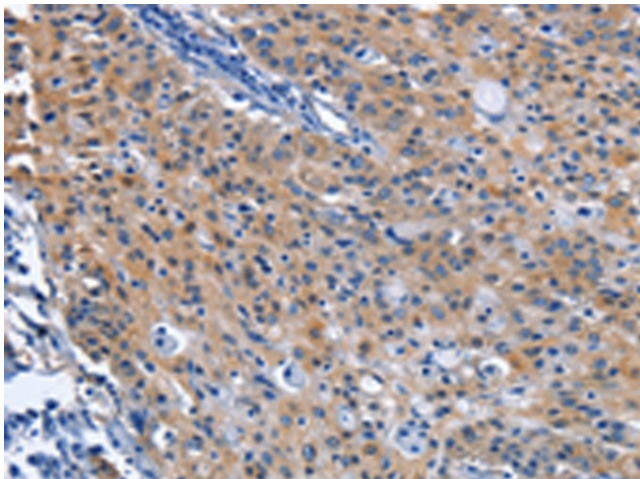
Cysteine Dioxygenase Type 1 (CDO1) Rabbit Polyclonal Antibody

Product data:

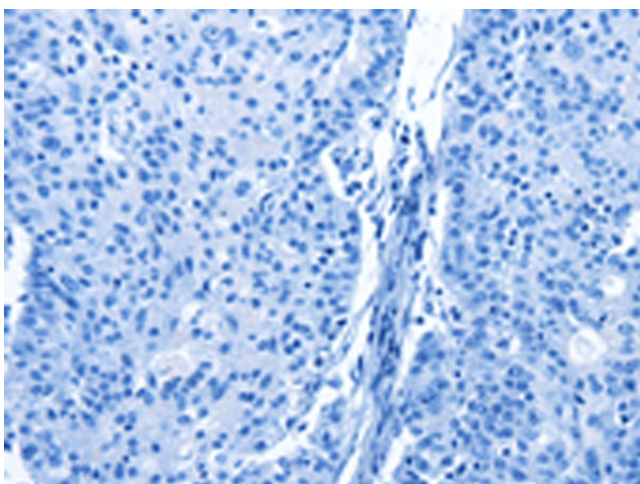
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human gastric cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CDO1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% 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:	cysteine dioxygenase type 1
Database Link:	NP_001792 Entrez Gene 12583 Mouse Entrez Gene 81718 Rat Entrez Gene 1036 Human Q16878
Background:	CDO1 (cysteine dioxygenase, type I) is a 200 amino acid protein that belongs to the cysteine dioxygenase family and is involved in organosulfur biosynthesis. Existing as a monomer and expressed at high levels in liver and placenta and at lower levels in brain, pancreas and heart, CDO1 functions as a dioxygenase that uses iron and zinc as cofactors to catalyze the conversion of L-cysteine and oxygen to 3-sulfinoalanine.
Synonyms:	cysteine dioxygenase; cysteine dioxygenase type I; type I
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways, Taurine and hypotaurine metabolism



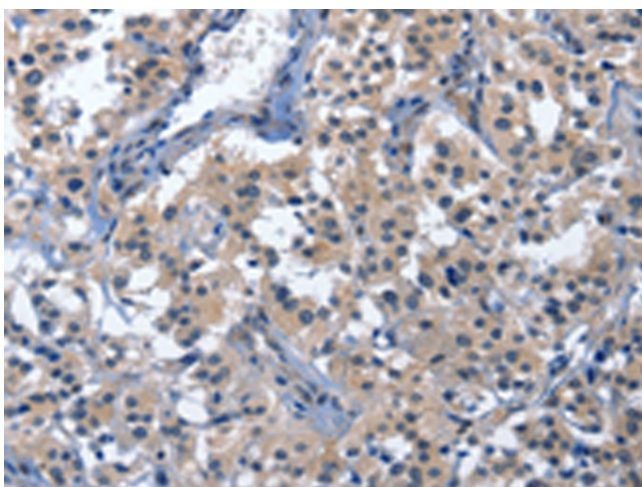
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Product images:

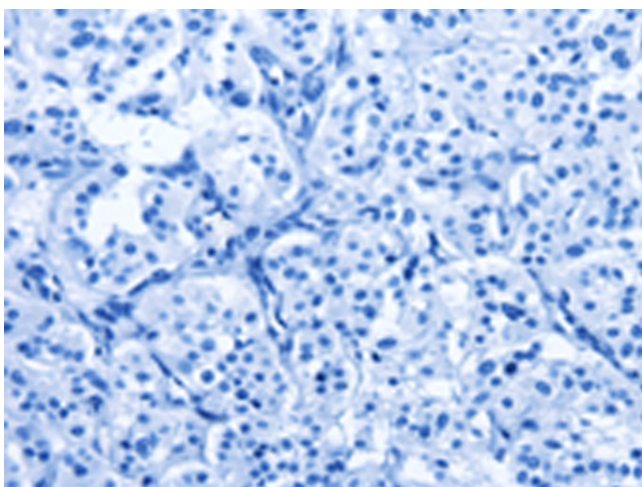
Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA349787 (CDO1 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA349787 (CDO1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349787 (CDO1 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349787 (CDO1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: $\times 200$)