

Product datasheet for **TA368795S**

Dopamine beta Hydroxylase (DBH) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse fetal liver tissue lysate IHC: 50-200 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DBH
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	69 kDa
Gene Name:	dopamine beta-hydroxylase
Database Link:	Entrez Gene 1621 Human P09172



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Background:

The protein encoded by this gene is an oxidoreductase belonging to the copper type II, ascorbate-dependent monooxygenase family. The encoded protein, expressed in neurosecretory vesicles and chromaffin granules of the adrenal medulla, catalyzes the conversion of dopamine to norepinephrine, which functions as both a hormone and as the main neurotransmitter of the sympathetic nervous system. The enzyme encoded by this gene exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide. Mutations in this gene cause dopamine beta-hydroxylase deficiency in human patients, characterized by deficits in autonomic and cardiovascular function, including hypotension and ptosis. Polymorphisms in this gene may play a role in a variety of psychiatric disorders.

Synonyms:

DBM

Product images:

kDa

130 —

95 —

72 —

55 —

36 —

28 —

17 —



Gel: 8%SDS-PAGE

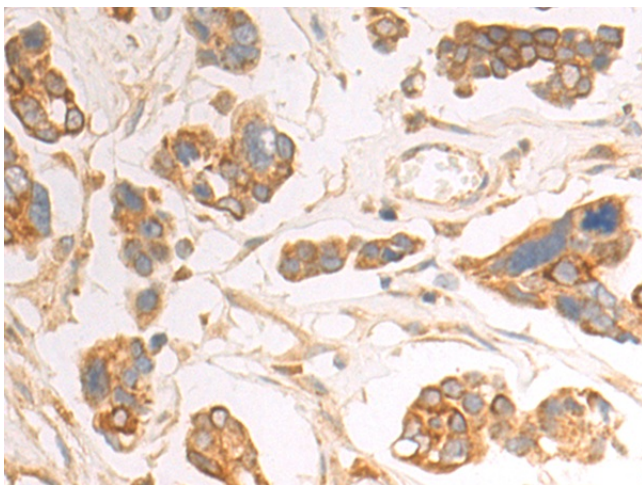
Lysate: 40 µg

Lane: Mouse fetal liver tissue lysate

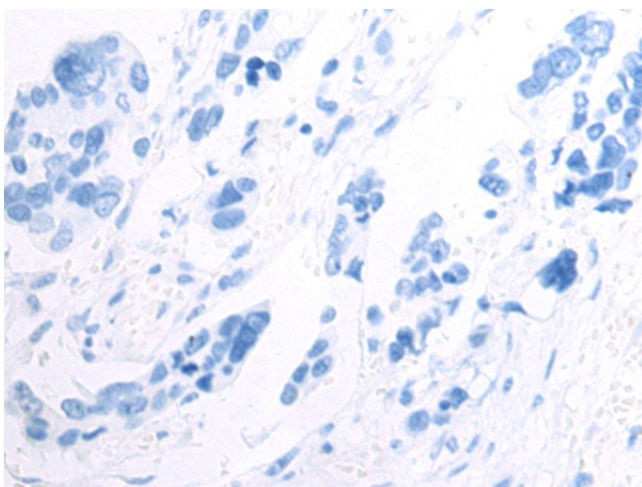
Primary antibody: [TA368795] (DBH Antibody) at dilution 1/550

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

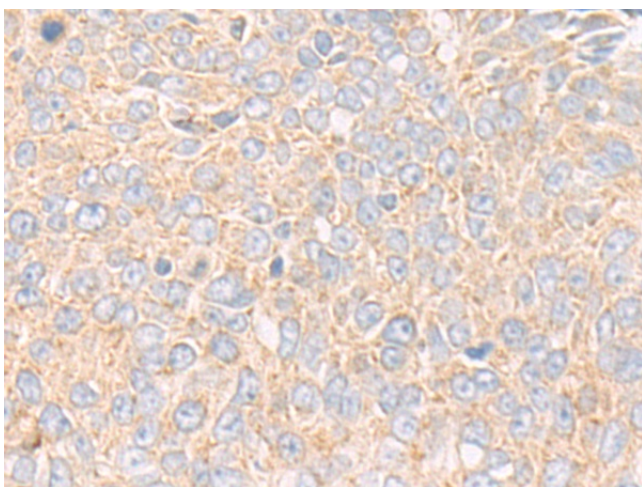
Exposure time: 5 seconds



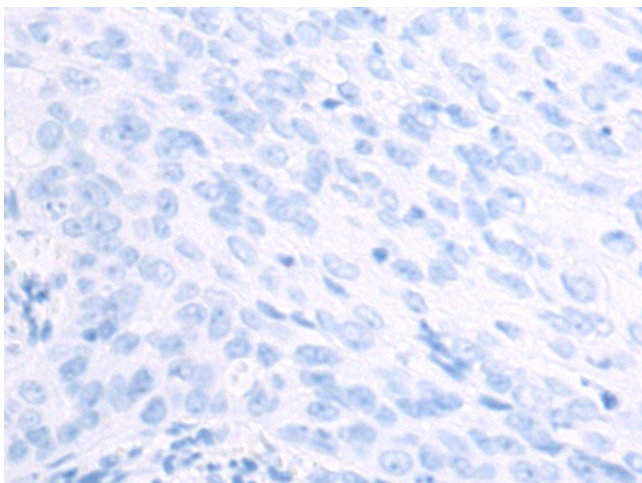
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA368795] (DBH Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA368795] (DBH Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA368795] (DBH Antibody) at dilution 1/50 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA368795] (DBH Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: $\times 200$)