

## Product datasheet for **TA371721**

### DOPA Decarboxylase (DDC) Rabbit Polyclonal Antibody

#### Product data:

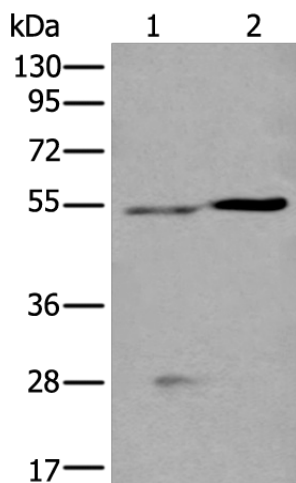
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human left kidney tissue and Human fetal liver tissue lysates IHC: 25-100 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human DDC
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	54 kDa
Gene Name:	dopa decarboxylase
Database Link:	<a href="#">Entrez Gene 1644 Human P20711</a>
Background:	The encoded protein catalyzes the decarboxylation of L-3,4-dihydroxyphenylalanine (DOPA) to dopamine, L-5-hydroxytryptophan to serotonin and L-tryptophan to tryptamine. Defects in this gene are the cause of aromatic L-amino-acid decarboxylase deficiency (AADCD). AADCD deficiency is an inborn error in neurotransmitter metabolism that leads to combined serotonin and catecholamine deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene.



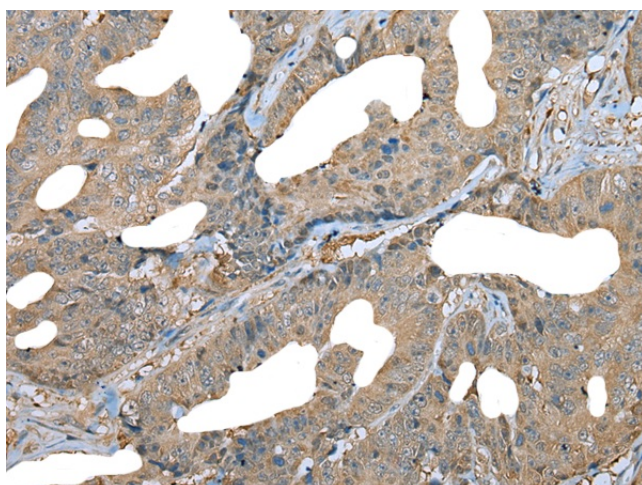
[View online »](#)

Synonyms: AADC

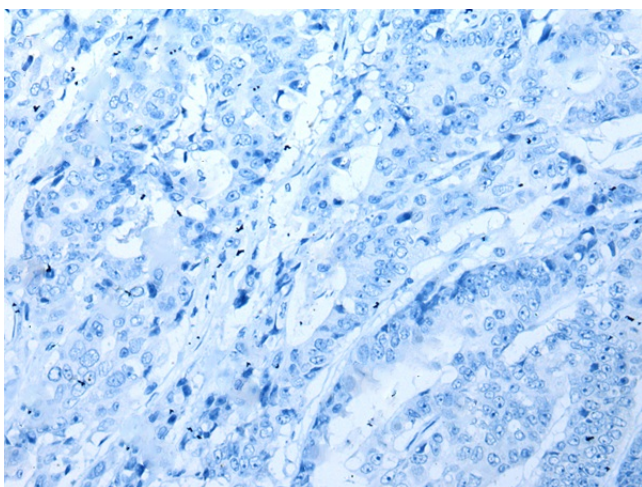
**Product images:**



Gel: 8%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-2: Human left kidney tissue and Human fetal liver tissue lysates  
 Primary antibody: TA371721 (DDC Antibody) at dilution 1/400  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
 Exposure time: 1 second



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA371721 (DDC Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA371721 (DDC Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification:  $\times 200$ )