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Product datasheet for TA810471BM

PRODH Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C11
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PRODH (NP_057419) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	HRP
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	67.8 kDa
Gene Name:	proline dehydrogenase 1
Database Link:	NP_057419 Entrez Gene 5625 Human O43272
Background:	This gene encodes a mitochondrial protein that catalyzes the first step in proline degradation. Mutations in this gene are associated with hyperprolinemia type 1 and susceptibility to schizophrenia 4 (SCZD4). This gene is located on chromosome 22q11.21, a region which has also been associated with the contiguous gene deletion syndromes, DiGeorge and CATCH22. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2010]

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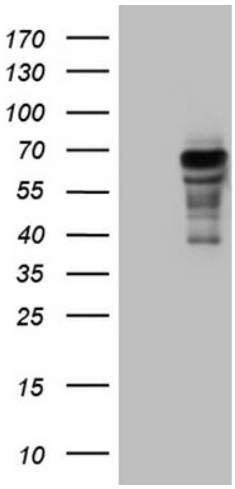
Synonyms: HSPOX2; PIG6; POX; PRODH1; PRODH2; TP53I6

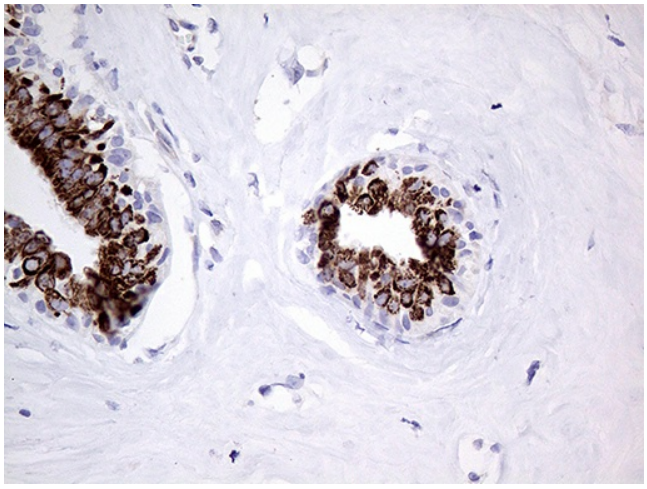
Protein Families: Druggable Genome

Protein Pathways: Arginine and proline metabolism, Metabolic pathways

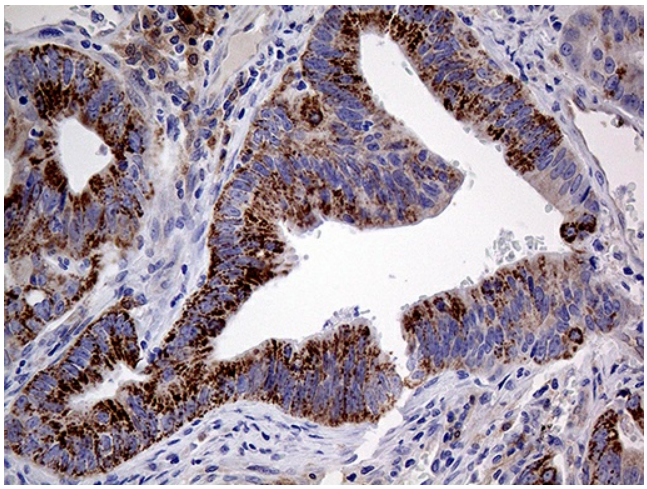
Product images:



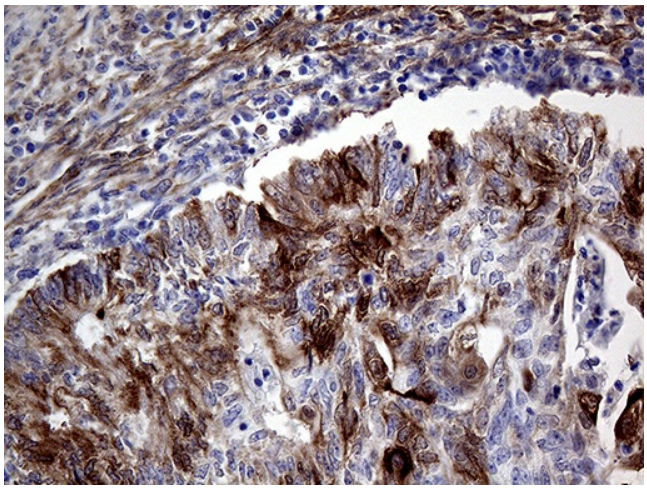
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PRODH (Cat# [RC220096], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PRODH (Cat# [TA810471])(1:2000). Positive lysates [LY414044] (100ug) and [LC414044] (20ug) can be purchased separately from OriGene.



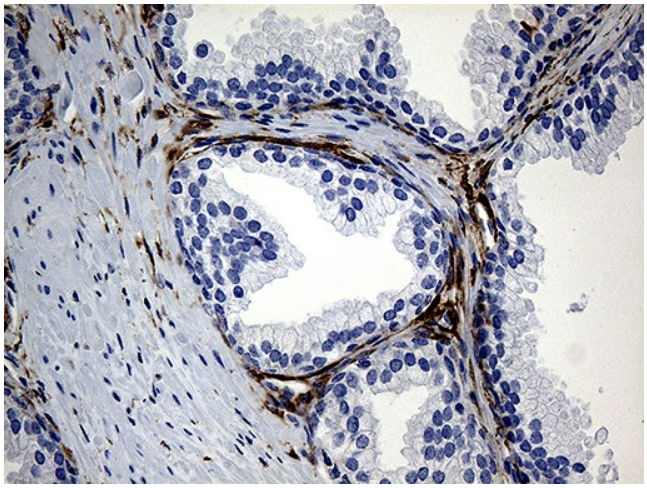
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)



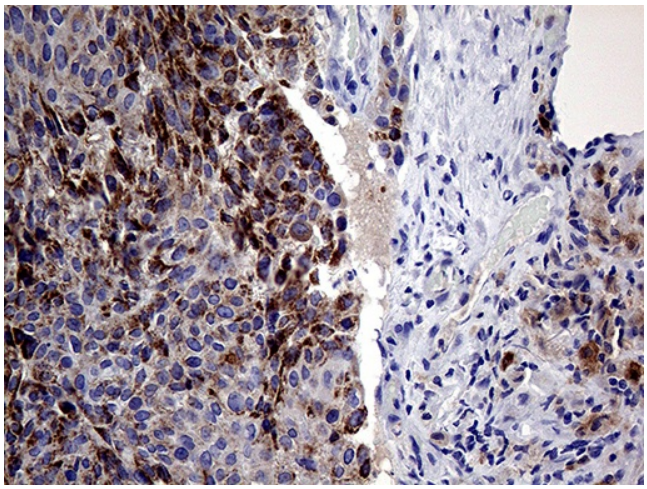
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)



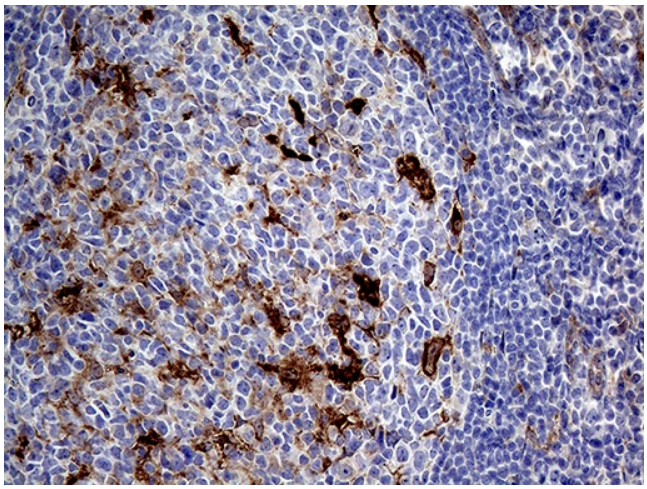
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)



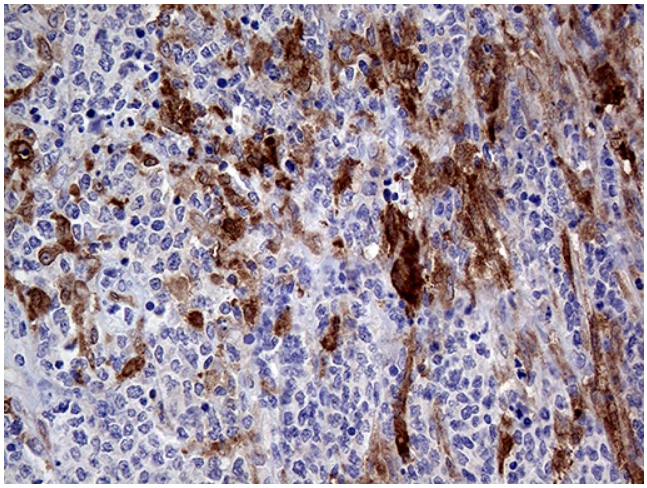
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)



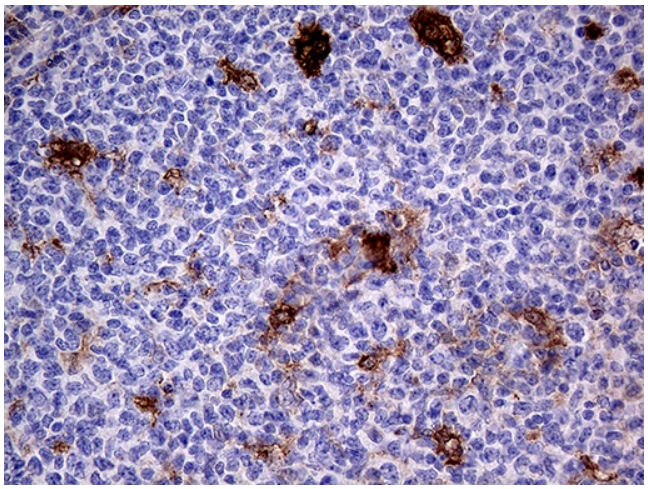
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)



Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-PRODH mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA810471]) (1:500)