

## Product datasheet for TA807329M

### PISD Mouse Monoclonal Antibody [Clone ID: OTI3B11]

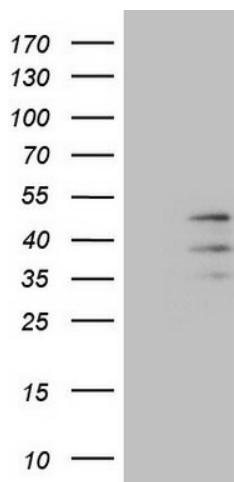
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3B11
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 80-340 of human PISD(NP_055153) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	phosphatidylserine decarboxylase
Database Link:	<a href="#">NP_055153</a> <a href="#">Entrez Gene 320951</a> <a href="#">MouseEntrez Gene 681361</a> <a href="#">RatEntrez Gene 23761</a> <a href="#">Human Q9UG56</a>
Background:	Phosphatidylserine decarboxylases (PSDs; EC 4.1.1.65) catalyze the formation of phosphatidylethanolamine (PE) by decarboxylation of phosphatidylserine (PS). Type I PSDs, such as PISD, are targeted to the inner mitochondrial membrane by an N-terminal targeting sequence. PISD also contains a conserved LGST motif that functions as an autocatalytic cleavage site where the proenzyme is split into mature alpha and beta subunits (Schuiki and Daum, 2009 [PubMed 19165886]). [supplied by OMIM, Jul 2010]
Synonyms:	DJ858B16; dj858B16.2; PSD; PSDC; PSSC

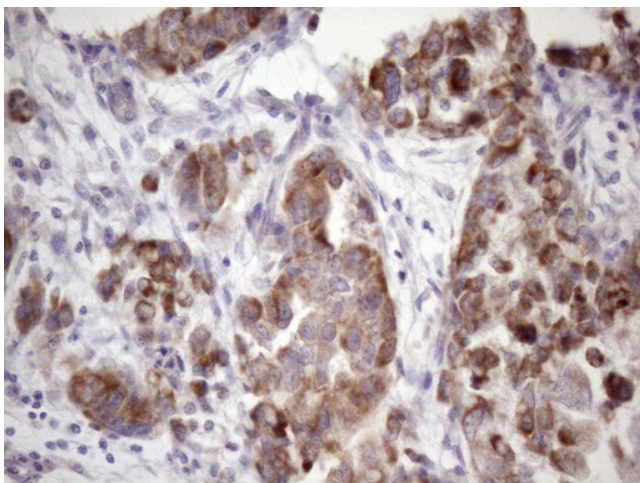

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**Protein Pathways:** Glycerophospholipid metabolism, Metabolic pathways

**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PISD ([RC200269], 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-PISD (1:2000).



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-PISD mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.