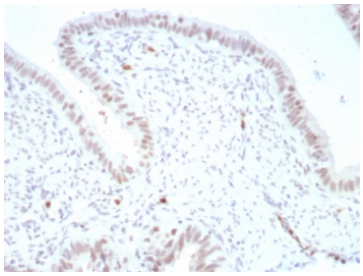
Paired box 4 Antibody / PAX4 [clone PAX4/7599] (V5217)

Catalog No.	Formulation	Size
V5217-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5217-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5217SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	PAX4/7599
Purity	Protein A/G affinity
UniProt	O43316
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Paired box 4 antibody is available for research use only.



IHC staining of FFPE human ovarian carcinoma tissue with Paired box 4 antibody (clone PAX4/7599). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Pax-4 (paired box gene 4) protein influences normal differentiation of Insulinproducing beta cells and influences normal pancreatic islet development. Pax-4 protein is a transcriptional repressor that binds to a common cis element in the

Glucagon, Insulin and Somatostatin promoters. Mouse Pax-4 transcript is present in pancreatic islets, and the islet beta cell lines MIN6, beta TC and NIT1. Differentiation of endoderm-derived endocrine pancreas is mediated through Pax-4 and Pax-6. Pax-4 may act as a Pax-6 repressor due to the competition for binding sites and lower transactivation potential of Pax-4. The human Pax-4 gene encodes a deduced 350 amino acid protein that is 80% identical to the deduced mouse Pax-4 protein.

Application Notes

Optimal dilution of the Paired box 4 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-200) from the human protein was used as the immunogen for the Paired box 4 antibody.

Storage

Aliquot the Paired box 4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.