

PAX8 Monoclonal antibody

Catalog Number: 60144-1-Ig

Basic Information

Catalog Number: 60144-1-Ig	GenBank Accession Number: BC001060	Purification Method: Protein A purification
Size: N/A	GeneID (NCBI): 7849	CloneNo.: 1C5A11
Source: Mouse	UNIPROT ID: Q06710	
Isotype: IgG2b	Full Name: paired box 8	
Immunogen Catalog Number: AG0306	Calculated MW: 48 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human

Background Information

PAX8 is a member of the paired box (PAX) family of transcription factors, typically containing a paired box domain and a paired-type homeodomain. It is expressed during organogenesis of the thyroid gland, kidney and Mullerian system. It is thought to regulate the expression of Wilms tumor suppressor (WT1) gene and mutations in PAX8 have been associated with Wilms tumor cells, thyroid and ovarian carcinomas. PAX8 is a useful marker in distinguishing ovarian carcinomas from mammary carcinomas (PMID: 18724243). PAX8 is expressed in a high percentage of ovarian serous, endometrioid, and clear cell carcinomas, but only rarely in primary ovarian mucinous adenocarcinomas.

PAX8 has 5 isoforms with calculated MW 31kd, 34kd, 41kd, 43kd and 48kd. And there is a 60kd band corresponding to the electrophoretic mobility of PAX8 (PMID:15650356). Proteintech's 10336-1-AP antibody has cross-reactivities with the other PAX family members.

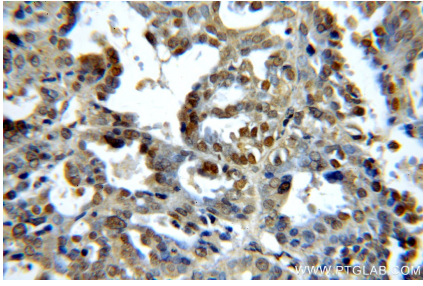
Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 60144-1-Ig(PAX8 antibody) at dilution of 1:50 (under 40x lens).