

PAX8 Recombinant monoclonal antibody

Catalog Number: 81032-1-RR

Basic Information

Catalog Number:

81032-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0306

GenBank Accession Number:

BC001060

GeneID (NCBI):

7849

UNIPROT ID:

Q06710

Full Name:

paired box 8

Calculated MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

6C24

Recommended Dilutions:

IHC: 1:2500-1:10000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human ovary tumor tissue, human thyroid cancer tissue

IF/ICC : SKOV-3 cells,

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 adenocarcinoma.

Storage

Storage:

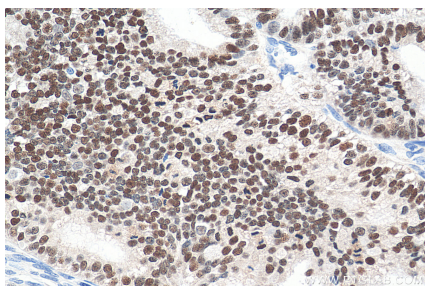
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

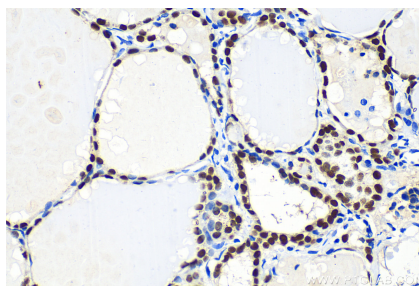
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

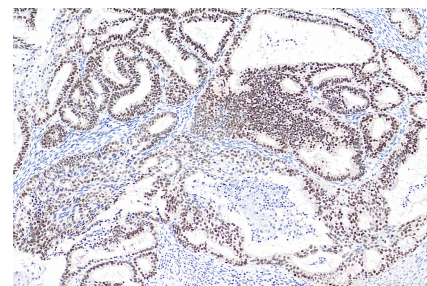
Selected Validation Data



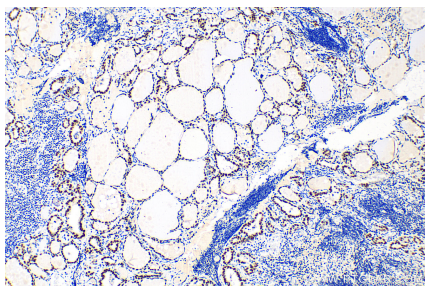
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 81032-1-RR (PAX8 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



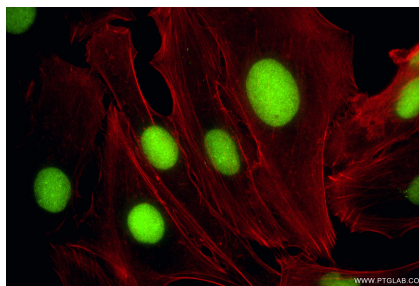
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 81032-1-RR (PAX8 antibody) at dilution of 1:2800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



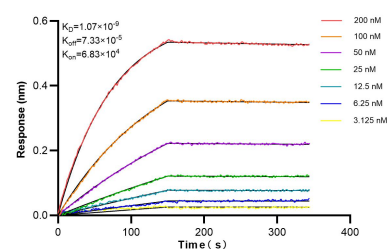
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 81032-1-RR (PAX8 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 81032-1-RR (PAX8 antibody) at dilution of 1:2800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using PAX8 antibody (81032-1-RR, Clone: 6C24) at dilution of 1:500 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 81032-1-RR against Human PAX8 were performed. The affinity constant is 1.07 nM.