For Research Use Only

CoraLite® Plus 488-conjugated PAX8 Polyclonal antibody

Catalog Number:CL488-10336 Featured Product 1 Publications

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-10336

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:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.20 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC, FC (Intra)

Species Specificity:
human, mouse, rat

Cited Species:
human

Positive Controls:

IF/ICC : SKOV-3 cells,

FC (Intra) : 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 adenocarcinomas.

This antibody can detect all 5 isoforms of PAX8 (31 kDa, 34 kDa, 41 kDa, 43 kDa and 48 kDa). A 58-60 kDa form has also been reported (PMID:15650356, 1049952).

Notable Publications

Author	Pubmed ID	Journal	Application
Xuezhou Zhang	40113005	Int J Biol Macromol	

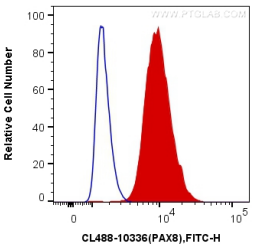
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

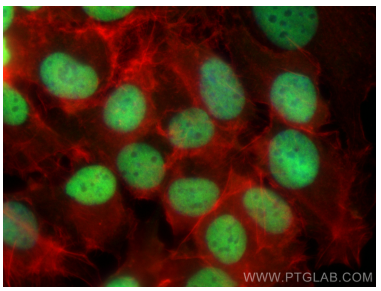
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10^6 SKOV-3 cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human PAX8 (CL488-10336) (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using CoraLite® Plus 488 PAX8 antibody (CL488-10336) at dilution of 1:200, CL594-phalloidin (red).