

# GPR141 Polyclonal antibody

Catalog Number: 28096-1-AP

## Basic Information

<b>Catalog Number:</b> 28096-1-AP	<b>GenBank Accession Number:</b> BC120951	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 353345	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q7Z602	
<b>Isotype:</b> IgG	<b>Full Name:</b> G protein-coupled receptor 141	
<b>Immunogen Catalog Number:</b> AG23129	<b>Calculated MW:</b> 305 aa, 35 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human kidney tissue, mouse brain tissue
<b>Species Specificity:</b> Human, mouse	

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

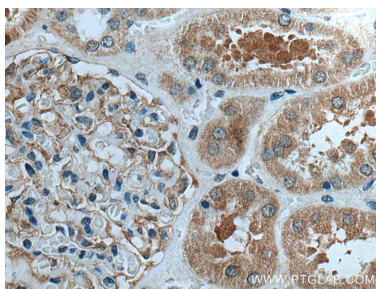
## Background Information

GPR141 (G-protein-coupled receptor 141) is a class A orphan receptor molecule of the rhodopsin family. Increased GPR141 expression enhances the migratory behavior of breast cancer, driving oncogenic pathways both in vitro and in vivo through activation of epithelial to mesenchymal transition (EMT), oncogenic mediators, and regulation of p-mTOR/p53 signaling (PMID: 37204251).

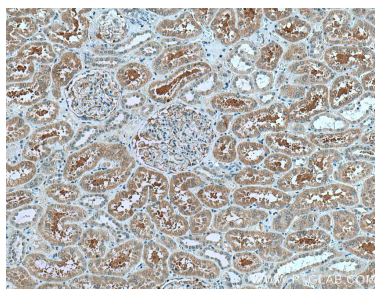
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

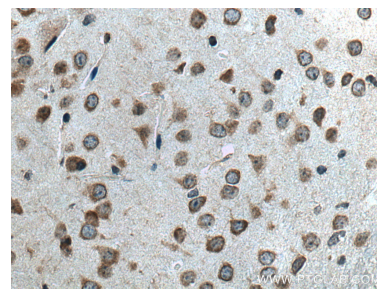
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 28096-1-AP (GPR141 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 28096-1-AP (GPR141 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 28096-1-AP (GPR141 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).