

## GPR18 Polyclonal Antibody

<b>Catalog No :</b>	YT2005
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	GPR18
<b>Gene Name :</b>	GPR18
<b>Protein Name :</b>	N-arachidonyl glycine receptor
<b>Human Gene Id :</b>	2841
<b>Human Swiss Prot No :</b>	Q14330
<b>Mouse Gene Id :</b>	110168
<b>Mouse Swiss Prot No :</b>	Q8K1Z6
<b>Rat Gene Id :</b>	679957
<b>Rat Swiss Prot No :</b>	A1A5S3
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human GPR18. AA range:191-240
<b>Specificity :</b>	GPR18 Polyclonal Antibody detects endogenous levels of GPR18 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 34kD

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**Background :** function:Receptor for N-arachidonyl glycine. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase. May contribute to regulation of the immune system.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Most abundant in testis and spleen. Highly expressed in CD4 and CD8-positive T-cells as well as CD19-positive B-cells.,

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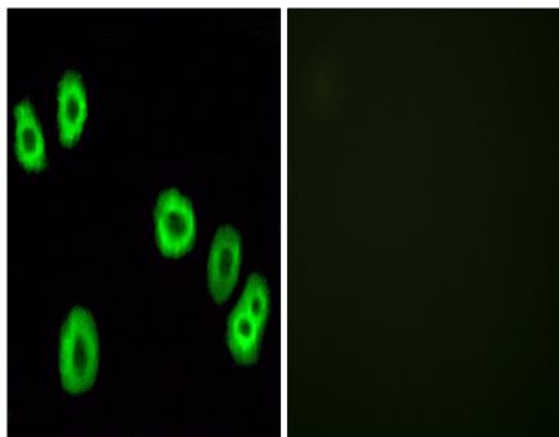
**Subcellular Location :** Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane .

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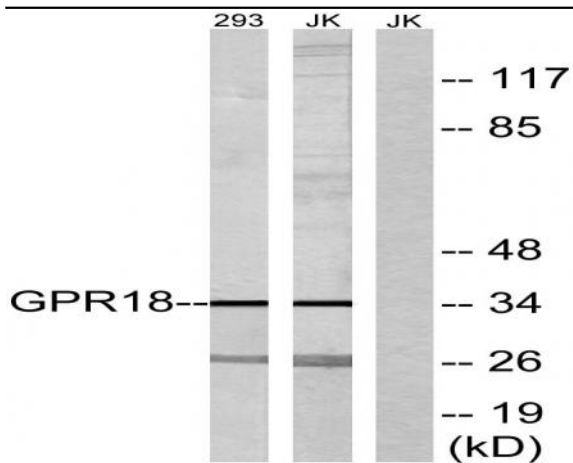
**Expression :** Expressed in midpiece of spermatozoon (at protein level) (PubMed:27572937). Most abundant in testis and spleen (PubMed:16844083). Highly expressed in CD4 and CD8-positive T-cells as well as CD19-positive B-cells (PubMed:16844083).

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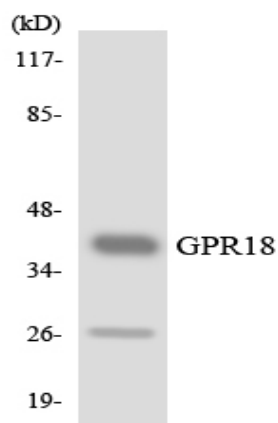
## Products Images



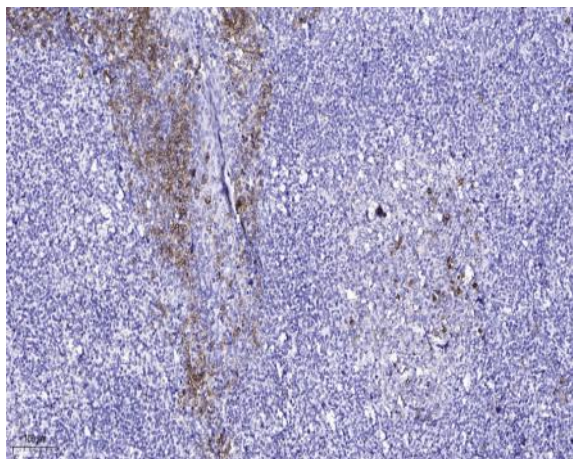
Immunofluorescence analysis of HUVEC cells, using GPR18 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 and Jurkat cells, using GPR18 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using GPR18 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).