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[Primary Antibody]

Rabbit Anti-GPR183 antibody

Catalog Number: SL14497R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GPR183
Immunogen:	KLH conjugated synthetic peptide derived from human EBV Induced Gene 2: 201-300/361
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	41kDa
Subcellular Location:	The cell membrane
Background:	Epstein-Barr virus-induced gene 2 is a 357 amino acid multi pass membrane protein. It is expressed in B-lymphocytes and lymphoid tissues and may function in the modulation of the immune system. Out of the nine genes that are induced by the Epstein-Barr virus, Ebi2 exhibits the highest levels of up-regulation. Ebi2 is a G-protein coupled receptor that signals through the G-protein G. Ebi2 contains seven hydrophobic transmembrane regions and a putative N-linked glycosylation site at its extracellular N-terminus. Ebi2 is believed to be involved in regulating the effects of the Epstein-Barr virus on B-lymphocytes. In addition, Ebi2 may play a role mediating normal lymphocyte functions. **Function:** Orphan receptor that plays a central role during humoral immunity. Promotes activated B-cell localization in the outer follicle and interfollicular regions. Its specific expression during B-cell maturation helps position B-cells

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	appropriately for mounting T-dependent antibody responses (By similarity). Signals constitutively through G(i)-alpha, but not G(s)-alpha or G(q)-alpha. **Subcellular Location:** Cell membrane. **Tissue Specificity:** Expressed abundantly in lymphoid tissues such as spleen and lymph node, and in B- and T-lymphocytes. Also highly expressed in lung, heart and gastrointestinal tract, and weakly expressed in the urogenital system and brain. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 1880 Human **Entrez Gene:** 769212 Chicken **Entrez Gene:** 540287 Cow **Entrez Gene:** 100050745 Horse **Entrez Gene:** 100388743 Marmoset (common) **Entrez Gene:** 321019 Mouse **Entrez Gene:** 679975 Rat Omim: 605741 Human **SwissProt:** Q1RMI1 Cow **SwissProt:** P32249 Human **SwissProt:** Q3U6B2 Mouse **SwissProt:** D4A7K7 Rat **Unigene:** 784 Human **Unigene:** 265618 Mouse **Unigene:** 179130 Rat

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