Data Sheet (Cat.No.TMAB-00791)

Anti-GPR183 Polyclonal Antibody

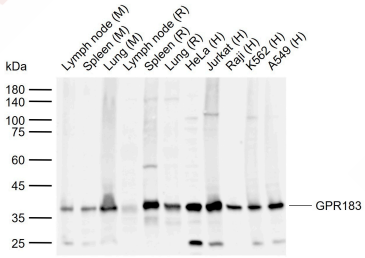
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 41 kDa. Actual: 38 kDa.
Purification:	Protein A purified

Applications

Verified Activity:

Sample:
Lane 1: Mouse LympHnode tissue lysates
Lane 2: Mouse Spleen tissue lysates
Lane 3: Mouse Lung tissue lysates
Lane 4: Rat LympHnode tissue lysates
Lane 5: Rat Spleen tissue lysates
Lane 6: Rat Lung tissue lysates
Lane 7: Human HeLa cell lysates
Lane 8: Human Jurkat cell lysates
Lane 9: Human Raji cell lysates
Lane 10: Human K562 cell lysates
Lane 11: Human A549 cell lysates
Primary: Anti-GPR183 (TMAB-00791) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 41 kDa
Observed band size: 38 kDa



Application:	ELISA,WB
Recommended	WB: 1:500-2000; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human EBV Induced Gene 2
Antigen Species:	Human
Gene ID:	1880
Uniprot ID:	P32249
Synonyms:	EBV induced G protein coupled receptor 2;ebv-induced gene 2;G-protein coupled receptor 183; Lymphocyte specific G protein coupled receptor;ebi 2;EBI2;GP183;Epstein-Barr virus-induced gene 2;Epstein-Barr virus-induced G-protein coupled receptor 2

Research 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 Gαi. 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.

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