

Anti-IFN-gamma alpha antibody



Description

IFN-gammaRalpha is a protein encoded by the IFNGR1 gene which is approximately 54,4 kDa. IFN-gammaRalpha is localised to the cell membrane and is involved in influenza A, Th17 cell differentiation, interferon gamma signalling, toxoplasmosis and type I interferon signalling pathways. It is a ligand-binding chain of the gamma interferon receptor which also includes IFNGR2. It associates with IFNGR2 to form a receptor for the cytokine interferon gamma. It is also associated with susceptibility to Helicobacter pylori infection. IFN-gammaRalpha is expressed in the nervous system, blood, spleen, lymph node and intestine. Mutations in the IFNGR1 gene result in immunodeficiency 27A and B. STJ93645 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of IFN-gammaRalpha protein.

Model	STJ93645
Host	Rabbit
Reactivity	Human, Mouse, Rat, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human IFN-gammaRalpha around the non-phosphorylation site of Y457.
Immunogen Region	400-480 aa
Gene ID	3459
Gene Symbol	IFNGR1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000

Specificity	IFN-gammaRalpha Polyclonal Antibody detects endogenous levels of IFN-gammaRalpha protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Interferon gamma receptor 1 IFN-gamma receptor 1 IFN-gamma-R1 CDw119 Interferon gamma receptor alpha-chain IFN-gamma-R-alpha CD antigen CD119
Molecular Weight	83 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:54390 MIM:107470
Alternative Names	Interferon gamma receptor 1 IFN-gamma receptor 1 IFN-gamma-R1 CDw119 Interferon gamma receptor alpha-chain IFN-gamma-R-alpha CD antigen CD119
Function	Associates with IFNGR2 to form a receptor for the cytokine interferon gamma (IFNG) . Ligand binding stimulates activation of the JAK/STAT signaling pathway .
Cellular Localization	Cell membrane
Post-translational Modifications	Phosphorylated at Ser/Thr residues.