Tyk 2 (Phospho Tyr1054/1055) Rabbit pAb

CatalogNo: YP1541

Key Features

Host Species
- Rabbit

Reactivity
- Human,Rat,Mouse,

Applications
- WB

MW
- 134kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:1000-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized phosho peptide around human Tyk2 (Tyr1054 and 1055)
Specificity	This antibody detects endogenous levels of Tyk2 only when phosphorylated at Tyr1054 or tyr1055,and dually phosphorylated at two sites.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):HEyYR

Target Information

Gene name TYK2

Protein Name Tyk 2 (Tyr1054/1055)

Organism	Gene ID	UniProt ID
Human	7297;	P29597;
Mouse		Q9R117;

Cellular Localization nucleus,cytoplasm,cytosol,cytoskeleton,membrane,extrinsic component of cytoplasmic side of plasma membrane,extracellular exosome,

Tissue specificity Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.

Function Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Defects in TYK2 are the cause of protein-tyrosine kinase 2 deficiency (TYK2 deficiency) [MIM:611521]; also called autosomal recessive hyper-IgE syndrome (HIES) with atypical mycobacteriosis. The syndrome consists of a primary immunodeficiency characterized by recurrent skin abscesses, pneumonia, and highly elevated serum IgE.,Domain:The FERM domain mediates interaction with JAKMIP1.,Function:Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.,online information:TYK2 mutation db,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.,similarity:Contains 1 FERM domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,subunit:Interacts with JAKMIP1.,tissue specificity:Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
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