

Tyk2 (Phospho Tyr1054/1055) (PT1377R) PT™ Rabbit mAb

CatalogNo: YM9219 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IF,ELISA

MW

- 134kD (Calculated)
134kD (Observed)

Isotype

- IgG, Kappa

Storage

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

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

WB 1:10000-1:50000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT1377R

Immunogen Information

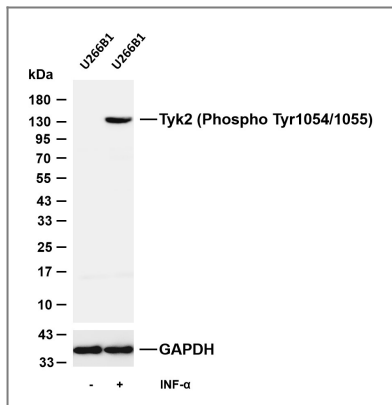
Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity Tyk2 (Phospho Tyr1054/1055) 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Tyk2 (Phospho Tyr1054/1055) (PT1377R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: U266B1 Lane 2: U266B1 was treated with INF-α (10ng/ml) for 15 minutes Predicted band size: 134kDa Observed band size: 134kDa

Contact information

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Please scan the QR code to access additional product information:
Tyk2 (Phospho Tyr1054/1055) (PT1377R) PT™ Rabbit mAb

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